LENNOX

ENGINEERING DATA

HEAT PUMP OUTDOOR UNITS

HP27

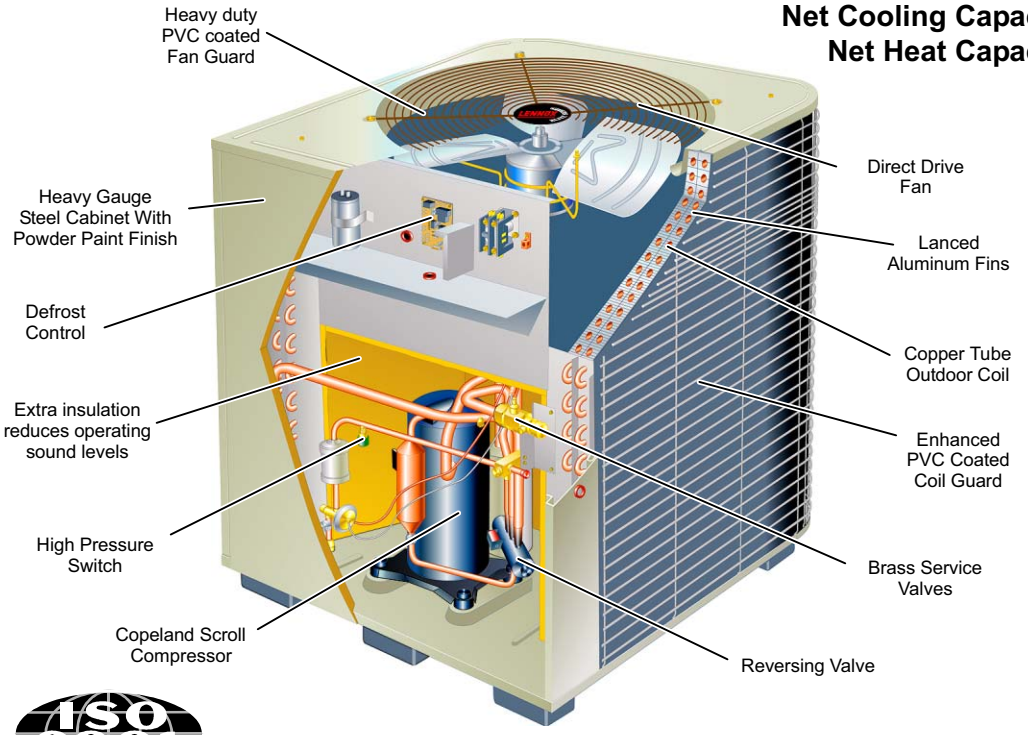
ELITE® SERIES

SEER UP TO 15.05

Net Cooling Capacity - 25,000 to 42,000 Btuh

Net Heat Capacity - 24,200 to 40,000 Btuh

Bulletin No. 210170
November 2003
Supersedes July 2000



CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI

ISO 9001 REGISTERED QUALITY SYSTEMS

ENERGY STAR

MODEL NUMBER IDENTIFICATION

HP 27 -036 - 2 P

Unit Type
HP = Heat Pump Outdoor Unit

Series

Nominal Cooling Capacity
024 = 2 tons (7.0 kW)
030 = 2.5 tons (8.8 kW)
036 = 3 tons (10.6 kW)
042 = 3.5 tons (12.3 kW)

Voltage
P = 208/230V-1 phase-60hz

Minor Revision Number

FEATURES

CONTENTS

ARI Rating Tables . . . . . Pages 6-7
Dimensions . . . . . Page 5
Expanded Rating Tables . . . . . Pages 8-43
Features . . . . . Pages 1-3
Field Wiring . . . . . Page 3
Installation Clearances . . . . . Page 5
Model Number Identification . . . . . Page 1
Optional Accessories . . . . . Page 3
Outdoor Sound Data . . . . . Page 4
Specifications . . . . . Page 4

EQUIPMENT WARRANTY

Compressor - limited warranty for ten years in residential installations, five years in non-residential installations.
All other covered components - limited warranty for five years in residential installations, one year in non-residential installations.
Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

Visit us at www.lennox.com
For the latest technical information, www.davenet.com

NOTE - Due to Lennox' ongoing committment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability.
Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.
Installation and service must be performed by a qualified installer and servicing agency.

FEATURES

APPLICATION

SEER up to 15.05.
HSPF (Region IV) up to 9.00.
2 through 3.5 ton (7.0 through 12.3 kW).
Single phase power supply.
Vertical air discharge allows concealment behind shrubs at grade level or out of sight on a roof.
Designed for applications with remotely located indoor blower-coil units or indoor add-on coils with FM21 furnace control. See FM21 bulletin, Thermostats and Controls section. Also see Coils-Blower Coils section for indoor unit data.
Units shipped completely factory assembled, piped and wired. Each unit is test operated at the factory ensuring proper operation. Installer must set outdoor unit, connect refrigerant lines and make electrical connections to complete job.
Each unit is test operated at the factory insuring proper operation.

APPROVALS

Certified in accordance with USE certification program which is based on ARI Standard 210/240.
Sound rated in Lennox reverberant sound test room in accordance with test conditions included in ARI Standard 270-95.
Tested in the Lennox Research Laboratory environmental test room.
Rated according to U.S. Department of Energy (DOE) test procedures.
Units and components within bonded for grounding to meet safety standards for servicing required by UL and CEC.
Units are UL and ULC listed.
ISO 9001 Registered Manufacturing Quality System.
ENERGY STAR® certified units are designed to use less energy, help save money on utility bills, and help protect the environment.

REFRIGERANT SYSTEM

Outdoor Fan

Direct drive fan moves large air volumes uniformly through entire outdoor coil for high refrigerant cooling capacity.
Vertical air discharge minimizes operating sounds and eliminates damage to lawn and shrubs.
Fan motor is inherently protected.
Motor totally enclosed for maximum protection from weather, dust and corrosion.
Rain shield on motor provides additional protection from moisture.
Corrosion resistant PVC (polyvinyl chloride) coated steel wire fan guard is furnished as standard.
Fan service access accomplished by removal of fan guard.

Copper Tube/Enhanced Fin Coil

Lennox designed and fabricated coil.
Ripple-edged aluminum fins.
Copper tube construction.
Wrap around "U" shaped configuration provides extra large surface area with low air resistance.
Lanced fins provide maximum exposure of fin surface to air stream resulting in excellent heat transfer.
Fin collars grip tubing for maximum contact area.
Fin spacing allows rapid and complete water drainage.
Flared shoulder tubing connections/silver soldering construction.
Coil is factory tested under high pressure to insure leakproof construction.
Entire coil is accessible for cleaning.
PVC (polyvinyl chloride) coated steel wire coil guard furnished as standard.
Inverted coil circuiting prevents ice buildup at coil base in low ambients.

Reversing Valve

4-way interchange reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa.
Valve operates on pressure differential between outdoor unit and indoor unit of the system.

Bi-Flow Hi-Capacity Drier

Traps moisture or dirt that could contaminate refrigerant system.
Bi-flow operation during heating or cooling cycle.
Furnished as standard and factory installed.

Expansion Valve

Designed and sized specifically for use in heat pump system.
Sensing bulb is located on the suction line between reversing valve and compressor thus sensing suction temperature in any cycle.
Factory installed and piped.

COPELAND SCROLL™ COMPRESSOR

Compressor features high efficiency with uniform suction flow, constant discharge flow and high volumetric efficiency.
Scroll compressor technology eliminates need for start capacitor and start relay.
Compressor consists of two involute spiral scrolls matched together to generate a series of crescent shaped gas pockets between them.
During compression, one scroll remains stationary while the other scroll orbits around it.
Gas is drawn into the outer pocket, the pocket is sealed as the scroll rotates.
As the spiral movement continues, gas pockets are pushed to the center of the scrolls. Volume between the pockets is simultaneously reduced.
When pocket reaches the center, gas is now at high pressure and is forced out of a port located in the center of the fixed scrolls.
During compression, several pockets are compressed simultaneously resulting in a smooth continuous compression cycle.
Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency.
Scroll compressor is tolerant to the effects of slugging and contaminants. If this occurs, scrolls separate, allowing liquid or contaminants to to be worked toward the center and discharged.
Low gas pulses during compression reduces operational sound levels.
Compressor motor is internally protected from excessive current and temperature.
Muffler in discharge line reduces operating sound levels.
Compressor is installed in the unit on resilient rubber mounts for vibration free operation.

CONTROLS

Defrost Control

Solid-state control gives a demand defrost cycle whenever system heating performance falls below optimum levels. The sensing element on coil determines when defrost cycle is required and when to terminate cycle.
Anti-short cycle (5 minutes) incorporated into the board.
Diagnostic LED's furnished as an aid in troubleshooting.
Conveniently located in control box.

High Pressure Switch

Shuts off unit if abnormal operating conditions cause the discharge pressure to rise above setting.
Automatic reset.

FEATURES

CABINET

Heavy gauge galvanized steel cabinet with five station metal wash process.
Powder paint finish provides superior rust and corrosion protection.
Painted base section.
Compressor and control box located in a separate compartment insulated with thick fiberglass insulation. Compartment provides protection from the weather and keeps sound transmission at a minimum.
Control box is conveniently located with all controls factory wired.
Large removable panel provides service access.
Drainage holes are provided in base section for moisture removal.
High density polyethylene feet raise the unit off of the mounting surface away from damaging moisture.
Non-corrosive PVC (polyvinyl chloride) coated steel wire outdoor coil guard is furnished.

Refrigerant Line Connections, Electrical Inlets, Service Valves

Vapor and liquid lines are located inside of the cabinet and are made with sweat connections. See dimension drawing.
Fully serviceable brass service valves prevent corrosion and provide access to refrigerant system. Suction valve can be fully shut off, while liquid valve may be front seated to manage refrigerant charge while servicing system.
Vapor and liquid line service valves and gauge ports are located inside the cabinet.
Refrigerant line connections and field wiring inlets are located in one central area of the cabinet. See dimension drawing.

OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

COMPRESSOR

Crankcase Heater

Prevents migration of liquid refrigerant into compressor and ensures proper compressor lubrication.

Compressor Low Ambient Cut-off

Compressor monitor can be field installed.
Non-adjustable switch (low ambient cut-out) prevents compressor operation when outdoor temperature is below 35°F (2°C).

Compressor Hard Start Kit

Single-phase units are equipped with a PSC compressor motor. This type of motor normally doesn't need a potential relay and start capacitor.
In conditions such as low voltage, this kit may be required to increase the compressor starting torque.

REFRIGERATION SYSTEM

Check and Expansion Valve Kits

Must be ordered extra and field installed on certain indoor coil units.
See ARI Ratings table for kit selection.

Refrigerant Line Kits

Refrigerant lines (vapor & liquid) are shipped refrigeration clean.
Lines are cleaned, dried, pressurized and sealed at factory.
Suction line fully insulated.
L15 lines are stubbed at both ends.

Freezestat

Installs on or near the discharge line of the evaporator or on the suction line.
Senses suction line temperature and cycles the compressor off when suction line temperature falls below it's setpoint.
Opens at 29°F (-2°C) and closes at 58°F (14°C).

MOUNTING BASE

High-density polyethylene mounting base is lightweight, sturdy, sound absorbing, and will withstand the effects of sun, heat, cold, moisture, oil, and refrigerant.
Provides permanent foundation for outdoor units.

CONTROLS

Low Ambient Kit

Heat pump units operate satisfactorily in the cooling mode down to 45°F (7°C) outdoor air temperature without any additional controls.
Low Ambient Control Kit can be field installed, allowing cooling operation down to 30°F (-1°C).

Outdoor Thermostat Kit

Outdoor thermostat can be used to lock out some electric heating elements on indoor units where two stage control is applicable.
Outdoor thermostat maintains heating load on low power input as long as possible before allowing full power load to come on line.
Thermostat kit and mounting box must be ordered extra.

Mild Weather Kit

Heat pump units operate satisfactorily in the heating mode at outdoor air temperatures up to 75°F (24°C).
Mild Ambient Kit can be field installed, allowing heating operation above 75°F (24°C).

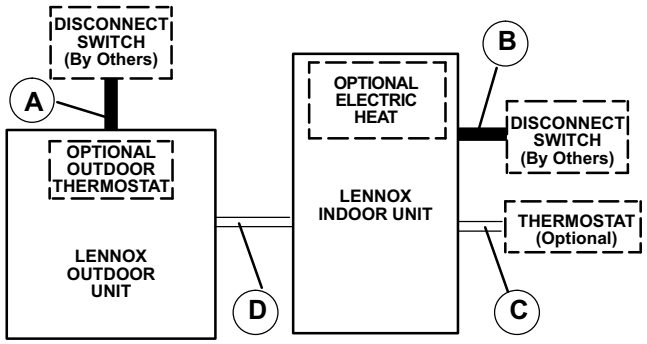
Thermostat

Thermostat not furnished with unit. See Thermostats bulletin in Thermostats and Controls Section and Lennox Price Book.

Monitor Kit

Field installed Monitor Kit includes ambient compensating thermistor and service light thermostat.
Thermistor reduces thermostat droop to improve the operating characteristics of the heat pump system.
Service light thermostat allows operation of the service light on the indoor thermostat.

FIELD WIRING



A — Two Wire Power (see Electrical Data)

B — Two or Three Wire Power (size to heater capacity)

C — Twelve Wire Low Voltage — 18 ga. minimum

— Fourteen Wire Low Voltage with Optional Outdoor Thermostat

D — Eight Wire Low Voltage — 18 ga. minimum

— Ten Wire Low Voltage with Optional Outdoor Thermostat

— Field Wiring Not Furnished —

All wiring must conform to NEC or CEC and local electrical codes.

SPECIFICATIONS

		Model No.	HP27-024	HP27-030	HP27-036	HP27-042
General Data		Nominal Tonnage (kW)	2 (7.0)	2.5 (8.8)	3 (10.6)	3.5 (12.3)
Connections (sweat)		Liquid line o.d. - in. (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
		Vapor line o.d. - in. (mm)	3/4 (19)	3/4 (19)	7/8 (22.2)	7/8 (22.2)
[1] **Refrigerant (HCFC-22) furnished**			12 lbs. 5 oz. (5.58 kg)	11 lbs. 5 oz. (5.13 kg)	11 lbs. 13 oz. (5.36 kg)	12 lbs. 12 oz. (5.78 kg)
Outdoor Coil	Net face area - sq. ft. (m^2) -	Outer Coil	21.77 (2.02)	21.77 (2.02)	24.06 (2.24)	24.06 (2.24)
		Inner Coil	21.11 (1.96)	21.11 (1.96)	23.33 (2.17)	23.33 (2.17)
		Tube diameter - in. (mm)	5/16 (7.9)	5/16 (7.9)	5/16 (7.9)	5/16 (7.9)
		No. of rows	2	2	2	2
		Fins per inch (m)	22 (866)	22 (866)	22 (866)	22 (866)
Outdoor Fan	Diameter in. (mm) - No. of blades		24 (610) - 3	24 (610) - 3	24 (610) - 3	24 (610) - 3
		Motor hp	1/10 (75)	1/10 (75)	1/10 (75)	1/10 (75)
		Cfm (L/s)	2800 (1320)	2800 (1320)	2800 (1320)	2800 (1320)
		Rpm	825	825	825	825
		Watts	165	165	170	170
Shipping Data	lbs. (kg) 1 package		268 (122)	271 (123)	328 (149)	328 (149)

ELECTRICAL DATA

Electrical Data (60 hz)	Line voltage data		208/230V-1ph	208/230V-1ph	208/230V-1ph	208/230V-1ph
	[2] Maximum overcurrent protection (amps)		20	25	30	40
	[3] Minimum circuit ampacity		13.8	16.2	17.8	23.4
Compressor	Rated load amps		10.26	12.18	13.46	18.0
	Power factor		0.96	0.96	0.96	0.97
	Locked rotor amps		56	61	73	104
Outdoor Coil Fan Motor	Full load amps		0.9	0.9	0.9	0.9
	Locked rotor amps		1.6	1.6	1.6	1.6

OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

Compressor Crankcase Heater			**90P12**	**90P12**	**90P12**	**90P12**
Compressor Low Ambient Cut-off			**45F08**	**45F08**	**45F08**	**45F08**
Compressor Hard Start Kit			**10J42**	**10J42**	**10J42**	**10J42**
Freezestat	3/8 in. tubing		**93G35**	**93G35**	**93G35**	**93G35**
	1/2 in. tubing		**39H29**	**39H29**	**39H29**	**39H29**
	5/8 in. tubing		**50A93**	**50A93**	**50A93**	**50A93**
Low Ambient Kit			**27J00**	**27J00**	**27J00**	**27J00**
Mild Weather Kit			**33M07**	**33M07**	**33M07**	**33M07**
Monitor Kit - Service Light			**76F53**	**76F53**	**76F53**	**76F53**
Mounting Base - Net Weight - lbs. (kg)			**69J07** (MB2-L) - 15 (7)	**69J07** (MB2-L) - 15 (7)	**69J07** (MB2-L) - 15 (7)	**69J07** (MB2-L) - 15 (7)
Outdoor Thermostat Kit		Thermostat	**56A87**	**56A87**	**56A87**	**56A87**
		Mounting Box - US	**31461**	**31461**	**31461**	**31461**
		Canada	**33A09**	**33A09**	**33A09**	**33A09**
Refrigerant Line Set	15 ft. (4.6 m) length		L15-41-15	L15-41-15	L15-65-15	L15-65-15
	20 ft. (6 m) length		L15-41-20	L15-41-20	Not Available	Not Available
	30 ft. (9 m) length		L15-41-30	L15-41-30	L15-65-30	L15-65-30
	40 ft. (12 m) length		L15-41-40	L15-41-40	L15-65-40	L15-65-40
	50 ft. (15 m) length		L15-41-50	L15-41-50	L15-65-50	L15-65-50

NOTE - Extremes of operating range are plus 10% and minus 5% of line voltage.
NOTE - Refrigerant line set should not exceed 50 ft. (15 m) in any installation.
1 Refrigerant charge is sufficient for 15 ft. (4.6 m) length line set.
2 HACR type circuit breaker or fuse.
3 Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

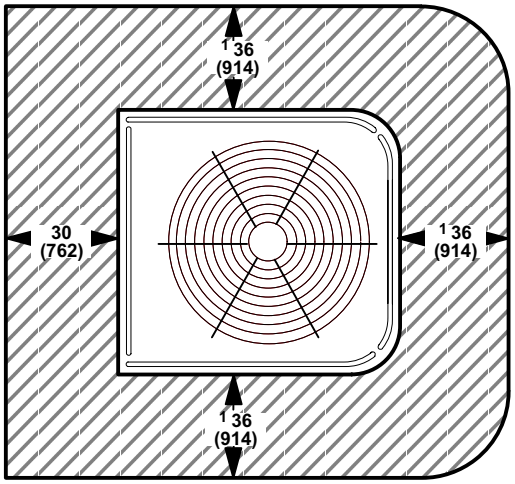
OUTDOOR SOUND DATA

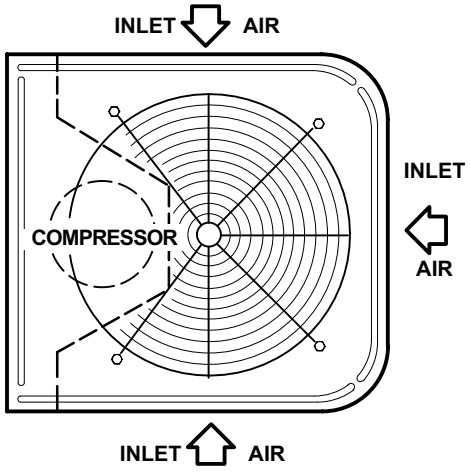
[1] Unit Model No.	Octave Band Sound Power Levels dBA, re 10^{-12} Watts Center Frequency - HZ							[1] Sound Rating Number (dB)
	125	250	500	1000	2000	4000	8000	
HP27-024	74	70	70	67	63	58	53	72
HP27-030	74	71	71	67	63	58	51	72
HP27-036	73	70	71	69	64	60	53	74
HP27-042	73	70	71	70	64	60	56	74

NOTE - the octave sound power data does not include tonal correction.
1 Tested according to ARI Standard 270-95 test conditions.

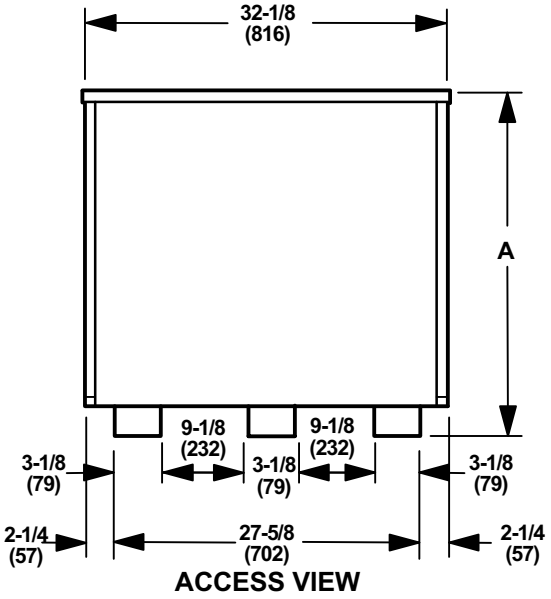
DIMENSIONS - INCHES (MM)

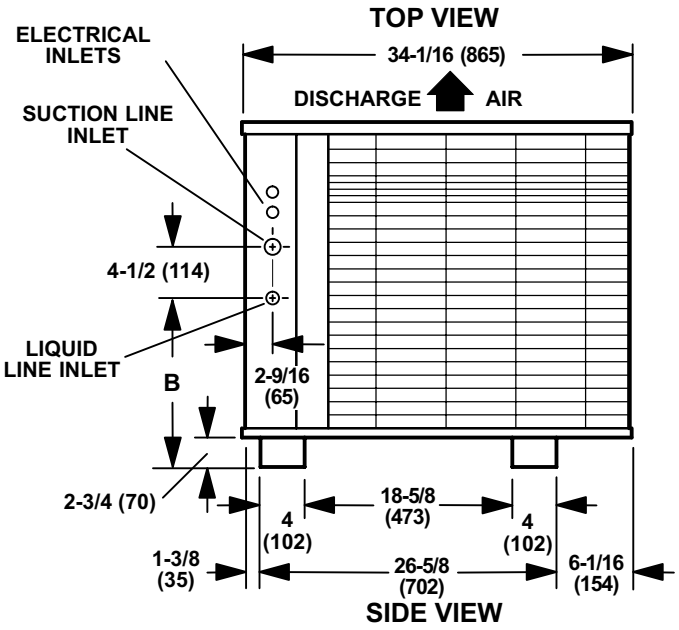
INSTALLATION CLEARANCES





[1] One side of unit may be 12 in. (305 mm)
One of the remaining sides may be 6 in. (152 mm)
NOTE - 48 in (1219 mm) clearance required on top of unit
NOTE - 24 in. (610 mm) required between two units





Model No.		A	B
HP27-024 HP27-030	in.	40-7/8	19-13/16
	mm	1038	503
HP27-036 HP27-042	in.	44-7/8	14-1/4
	mm	1140	362

ARI RATINGS — 2 - 2.5 TON

Outdoor Unit Model No. / Unit Size / [1] Sound Rating Number		[2] ARI Standard 210/240 Ratings																
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency				Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP	Low Htg. COP	Indoor Unit Model No.	Check and Expansion Valve Kit Required
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	HSPF IV	HSPF V							
HP27-024 2 Ton (72 dB)	**Blower Coil Units**	25,000	7.3	24,200	7.1	15,400	4.5	14.05	11.85	8.25	7.40	2110	2230	1820	3.18	2.48	CB30U-31 (Up-Flow)	Factory Installed
		25,000	7.3	24,200	7.1	15,400	4.5	14.05	11.85	8.25	7.40	2110	2230	1820	3.18	2.48	CB30M-31 (Multi)	Factory Installed
		25,400	7.4	24,600	7.2	15,400	4.5	14.25	12.05	8.50	7.35	2110	2120	1865	3.40	2.42	CB30U-41/46 (Up-Flow)	[3] **56J19**
		25,400	7.4	24,600	7.2	15,400	4.5	14.25	12.05	8.50	7.35	2110	2120	1865	3.40	2.42	[4] CB30M-41 (Multi)	Factory Installed
		25,800	7.6	24,200	7.1	15,000	4.4	15.05	12.80	8.60	7.45	2015	2025	1770	3.50	2.48	CB31MV-41 (Multi)	Factory Installed
		23,800	7.0	25,400	7.4	15,800	4.6	12.75	11.00	8.60	7.70	2165	2125	1810	3.50	2.56	[5] CVP10-31/EC10 (Up-Flow)	Factory Installed
		24,200	7.1	25,600	7.5	15,800	4.6	13.00	11.20	8.60	7.80	2160	2120	1795	3.54	2.58	[5] CVP10-41/EC10 (Up-Flow)	Factory Installed
	Up-Flow Coils	25,200	7.4	24,800	7.3	15,600	4.6	13.60	11.65	8.50	7.35	2165	2135	1890	3.40	2.42	C26-41	Factory Installed
		25,200	7.4	24,800	7.3	15,600	4.6	13.60	11.65	8.50	7.35	2165	2135	1890	3.40	2.42	C33-38A/B	**56J19**
		25,400	7.4	24,800	7.3	15,600	4.6	13.65	11.75	8.30	7.30	2160	2165	1905	3.36	2.40	C26-46	[3] **56J19**
		25,400	7.4	24,800	7.3	15,600	4.6	13.65	11.75	8.30	7.30	2160	2165	1905	3.36	2.40	C33-48B/C	**56J19**
	Down-Flow Coils	24,600	7.2	25,400	7.4	15,800	4.6	13.25	11.40	8.70	7.65	2160	2020	1825	3.68	2.54	CR26-48N/W-F	**56J19**
		25,400	7.4	25,600	7.5	15,800	4.6	13.60	11.75	8.70	7.75	2160	2040	1795	3.68	2.58	CR26-60N/W-F	**56J19**
	Horizontal Coils	25,200	7.9	25,400	7.4	15,600	4.6	13.60	11.70	8.70	7.65	2155	1990	1800	3.74	2.54	CH33-44/48B-2F	**56J19**
		25,200	7.9	25,400	7.4	15,600	4.6	13.60	11.70	8.70	7.65	2155	1990	1800	3.74	2.54	CH23-51	**56J19**
		25,400	7.4	25,600	7.5	15,600	4.6	13.75	11.75	9.00	7.70	2160	1975	1785	3.80	2.56	CH33-48C-2F	**56J19**
		25,400	7.4	25,600	7.5	15,600	4.6	13.75	11.75	9.00	7.70	2160	1975	1785	3.80	2.56	CH23-65	**56J19**
HP27-030 2.5 Ton (72 dB)	**Blower Coil Units**	27,600	8.1	27,200	8.0	17,600	5.2	13.25	11.65	8.50	7.55	2370	2360	2095	3.38	2.46	CB29M-46 (Multi)	[3] **56J19**
		28,000	8.2	27,600	8.1	17,600	5.2	14.05	12.15	8.70	7.50	2305	2245	2000	3.60	2.58	CB30U-31 (Up-Flow)	Factory Installed
		28,000	8.2	27,600	8.1	17,600	5.2	14.05	12.15	8.70	7.50	2305	2245	2000	3.60	2.58	CB30M-31 (Multi)	Factory Installed
		28,000	8.2	27,600	8.1	17,600	5.2	14.05	12.20	8.70	7.75	2295	2365	2030	3.42	2.54	CB30U-41/46 (Up-Flow)	[3] **56J19**
		28,000	8.2	27,600	8.1	17,600	5.2	14.05	12.20	8.70	7.75	2295	2365	2030	3.42	2.54	[4] CB30M-41 (Multi)	Factory Installed
		28,400	8.3	26,400	7.7	17,000	5.0	15.05	13.05	9.00	7.90	2175	2175	1885	3.56	2.64	CB31MV-41 (Multi)	Factory Installed
		26,400	7.7	27,400	8.0	17,800	5.2	12.75	11.15	8.70	7.60	2370	2295	2105	3.50	2.48	[5] CVP10-31/EC10 (Up-Flow)	Factory Installed
		26,800	7.9.	27,400	8.0	17,800	5.2	13.05	11.35	8.50	7.50	2360	2255	2085	3.56	2.50	[5] CVP10-41/EC10 (Up-Flow)	Factory Installed
		26,800	7.9	27,400	8.0	17,800	5.2	13.05	11.35	8.50	7.50	2360	2255	2085	3.56	2.50	[5] CVP10-46/EC10 (Up-Flow)	Factory Installed
	Up-Flow Coils	27,600	8.1	27,200	8.0	17,800	5.2	13.30	11.70	8.50	7.55	2360	2360	2105	3.38	2.48	C26-41	Factory Installed
		27,600	8.1	27,200	8.0	17,800	5.2	13.30	11.70	8.50	7.60	2360	2415	2120	3.30	2.46	C26-46	[3] **56J19**
		27,600	8.1	27,200	8.0	17,800	5.2	13.30	11.70	8.50	7.55	2360	2360	2105	3.38	2.48	C33-38A/B	**56J19**
		27,600	8.1	27,200	8.0	17,800	5.2	13.30	11.70	8.50	7.60	2360	2415	2120	3.30	2.46	C33-48B/C	**56J19**
		27,800	8.1	27,000	7.9	17,800	5.2	13.50	11.75	8.50	7.50	2365	2395	2120	3.30	2.46	C26-51/65	[3] **56J19**
		27,800	8.1	27,000	7.9	17,800	5.2	13.50	11.75	8.50	7.50	2365	2395	2120	3.30	2.46	C33-50/60C	**56J19**
	Down-Flow Coils	27,800	8.1	27,400	8.0	17,800	5.2	13.30	11.75	8.50	7.55	2365	2320	1890	3.46	2.76	CR26-48N/W-F	**56J19**
		28,200	8.3	27,400	8.0	17,800	5.2	13.70	11.90	8.50	7.55	2370	2255	2070	3.56	2.52	CR26-60N/W-F	**56J19**
	Horizontal Coils	27,800	8.1	27,600	8.1	17,800	5.2	13.40	11.75	8.60	7.70	2365	2245	2070	3.60	2.52	CH33-44/48B-2F	**56J19**
		27,800	8.1	27,600	8.1	17,800	5.2	13.40	11.75	8.60	7.70	2365	2245	2070	3.60	2.52	CH23-65	**56J19**
		28,200	8.3	27,600	8.1	17,800	5.2	13.50	11.90	8.70	7.80	2370	2175	2055	3.72	2.54	CH33-48C-2F	**56J19**
		28,200	8.3	27,600	8.1	17,800	5.2	13.50	11.90	8.70	7.80	2370	2175	2055	3.72	2.54	CH23-68	**56J19**

NOTE - Ratings for all C26 and C33 coils include all cased and uncased coils.

NOTE - Use FM21 Control with any listed coil and furnace that meets system design requirements. See FM21 page in Thermostats and Controls section for additional data.

[1] Sound Rating Number in accordance with test conditions included in ARI Standard 270.

[2] Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;
Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.
High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

[3] **Factory installed check/expansion valves on indoor units MUST be replaced with separately ordered check/expansion valve kit shown.**

[4] Most popular blower coil combination.

[5] Canada Only

ARI RATINGS — 3 - 3.5 TON

Outdoor Unit Model No. Unit Size [1] Sound Rating Number		[2] ARI Standard 210/240 Ratings																Check and Expansion Valve Kit Required
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency				Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP	Low Htg. COP	Indoor Unit Model No.	
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	HSPF IV	HSPF V							
HP27-036 3 Ton (74 dB)	**Blower Coil Units**	34,000	10.0	32,200	9.4	19,600	5.7	14.15	11.80	8.20	7.05	2880	2745	3.44	2475	2.32	CB30U-41/46 (Up-Flow)	[3] **56J19**
		34,000	10.0	32,200	9.4	19,600	5.7	14.15	11.80	8.20	7.05	2880	2745	3.44	2475	2.32	CB30M-41 (Multi)	Factory Installed
		34,200	10.0	32,200	9.4	19,600	5.7	14.20	11.85	8.20	7.05	2885	2725	3.46	2475	2.32	[4] CB30M-46 (Multi)	[3] **56J19**
		34,200	10.0	32,200	9.4	19,600	5.7	14.70	12.30	8.50	7.30	2780	2635	3.58	2375	2.42	CB31MV-41 (Multi)	Factory Installed
		35,000	10.3	32,200	9.4	19,800	5.8	14.40	12.30	8.50	7.50	2845	2745	3.44	2330	2.49	CB30U-51 (Up-Flow)	[3] **56J19**
		35,000	10.3	32,200	9.4	19,800	5.8	14.40	12.30	8.50	7.50	2845	2745	3.44	2330	2.49	CB30M-51 (Multi)	[3] **56J19**
		35,000	10.3	32,200	9.4	19,600	5.7	15.00	12.70	8.80	7.50	2755	2525	3.74	2295	2.50	CB31MV-51 (Multi)	[3] **56J19**
		33,400	9.8	32,400	9.5	20,000	5.9	13.20	11.30	8.00	6.95	2955	2790	3.40	2570	2.28	[5] CVP10-41/EC10 (Up-Flow)	Factory Installed
		33,400	9.8	32,400	9.5	20,000	5.9	13.20	11.30	8.00	6.95	2955	2790	3.40	2570	2.28	[5] CVP10-46/EC10 (Up-Flow)	Factory Installed
		33,400	9.8	32,400	9.5	20,000	5.9	13.20	11.30	8.00	6.95	2955	2770	3.43	2570	2.28	[5] CVP10-51/EC10 (Up-Flow)	Factory Installed
	Up-Flow Coils	34,000	10.0	32,400	9.5	19,800	5.8	13.50	11.40	8.00	6.85	2980	2825	3.36	2590	2.24	C26-46	[3] **56J19**
		34,200	10.0	32,600	9.6	20,000	5.9	13.70	11.55	8.10	7.00	2960	2795	3.42	2595	2.26	C26-51/65	[3] **56J19**
		34,200	10.0	32,600	9.6	20,000	5.9	13.70	11.55	8.10	7.00	2960	2795	3.42	2595	2.26	C33-50/60C	**56J19**
		34,800	10.2	32,600	9.6	20,000	5.9	13.80	11.70	8.10	7.00	2975	2775	3.44	2570	2.28	C26-65EAP	[3] **56J19**
		34,800	10.2	32,600	9.6	20,000	5.9	13.80	11.70	8.10	7.00	2975	2775	3.44	2570	2.28	C33-62D	**56J19**
	Down-Flow Coils	34,000	10.0	32,400	9.5	19,800	5.	13.50	11.45	8.00	6.90	2970	2860	3.32	2590	2.24	CR26-48N/W-F	**56J19**
		34,600	10.1	32,600	9.6	20,000	5.9	13.80	11.65	8.20	7.00	2970	2770	3.45	2550	2.30	CR26-60N/W-F	**56J19**
	Horizontal Coils	34,200	10.0	32,400	9.5	20,000	5.9	13.60	11.50	8.10	6.95	2975	2790	3.40	2570	2.28	CH33-44/48B-2F	**56J19**
		34,200	10.0	32,400	9.5	20,000	5.9	13.60	11.50	8.10	6.95	2975	2790	3.40	2570	2.28	CH23-65	**56J19**
		34,800	10.2	32,600	9.6	20,000	5.9	13.80	11.70	8.25	7.05	2975	2730	3.50	2525	2.32	CH33-50/60C-2F	**56J19**
		34,800	10.2	32,600	9.6	20,000	5.9	13.80	11.70	8.25	7.05	2975	2730	3.50	2525	2.32	CH23-68	**56J19**
HP27-042 3.5 Ton (74 dB)	**Blower Coil Units**	40,500	11.9	39,000	11.4	25,400	7.4	12.40	10.44	7.80	6.90	3880	3660	3.12	3265	2.28	CB29M-51 (Multi)	Factory Installed
		41,000	12.0	39,000	11.4	24,700	7.2	13.15	11.16	8.20	7.20	3675	3440	3.32	3015	2.40	CB30M-41 (Multi)	Factory Installed
		41,000	12.0	39,000	11.4	24,700	7.2	13.15	11.16	8.20	7.20	3675	3440	3.32	3015	2.40	CB30U-41/46 (Up-Flow)	Factory Installed
		41,000	12.0	39,000	11.4	24,700	7.2	13.15	11.16	8.20	7.20	3675	3420	3.34	2990	2.42	CB30M-46 (Multi)	Factory Installed
		41,000	12.0	39,000	11.4	25,000	7.3	13.60	11.45	8.30	7.40	3580	3320	3.44	2955	2.48	CB31MV-41 (Multi)	Factory Installed
		42,000	12.3	40,000	11.7	24,800	7.3	13.30	11.30	8.25	7.20	3715	3465	3.38	3030	2.40	CB30U-51 (Up-Flow)	Factory Installed
		42,000	12.3	40,000	11.7	24,800	7.3	13.30	11.30	8.25	7.20	3715	3465	3.38	3030	2.40	[4] CB30M-51 (Multi)	Factory Installed
		42,000	12.3	40,000	11.7	25,000	7.3	14.00	11.80	8.50	7.50	3560	3290	3.56	2905	2.52	CB31MV-51 (Multi)	Factory Installed
		40,000	11.7	39,000	11.4	25,000	7.3	12.70	10.60	8.05	7.10	3775	3505	3.26	3105	2.36	[5] CVP10-41/EC10 (Up-Flow)	Factory Installed
		40,000	11.7	39,000	11.4	25,000	7.3	12.70	10.60	8.05	7.10	3775	3505	3.26	3105	2.36	[5] CVP10-46/EC10 (Up-Flow)	Factory Installed
		40,000	11.7	39,000	11.4	25,000	7.3	12.70	10.60	8.05	7.10	3775	3485	3.28	3090	2.37	[5] CVP10-51/EC10 (Up-Flow)	Factory Installed
	Up-Flow Coils	40,500	11.9	39,000	11.4	25,000	7.3	12.60	10.85	7.80	6.90	3760	3615	3.16	3185	2.30	C26-46	Factory Installed
		40,500	11.9	39,000	11.4	25,000	7.3	12.60	10.85	7.80	6.90	3760	3615	3.16	3185	2.30	C33-50/60C	**56J20**
		41,500	12.2	39,000	11.4	25,000	7.3	12.80	11.05	7.80	6.95	3765	3570	3.20	3185	2.30	C26-51/65	Factory Installed
		41,500	12.2	39,000	11.4	25,000	7.3	12.80	11.05	7.80	6.95	3765	3570	3.20	3185	2.30	C33-60D	**56J20**
		42,000	12.3	39,000	11.4	25,000	7.3	13.20	11.40	8.00	7.00	3685	3485	3.28	3155	2.32	C26-65EAP	Factory Installed
		42,000	12.3	39,000	11.4	25,000	7.3	13.20	11.40	8.00	7.00	3685	3485	3.28	3155	2.32	C33-62D	**56J20**
	Down-Flow Coils	40,000	11.7	39,000	11.4	25,000	7.3	12.80	10.60	7.80	7.00	3775	3615	3.16	3155	2.32	CR26-48N/W-F	**56J20**
		41,200	12.1	39,000	11.4	25,000	7.3	13.10	10.98	8.05	7.10	3750	3465	3.30	3105	2.36	CR26-60N/W-F	**56J20**
	Horizontal Coils	41,200	12.1	39,000	11.4	25,000	7.3	12.80	10.90	8.05	7.10	3780	3485	3.28	3105	2.36	CH33-44/48B-2F	**56J20**
		41,200	12.1	39,000	11.4	25,000	7.3	12.80	10.90	8.05	7.10	3780	3485	3.28	3105	2.36	CH23-65	**56J20**
		42,000	12.3	39,200	11.5	25,000	7.3	13.10	11.20	8.30	7.25	3750	3380	3.40	3025	2.42	CH33-50/60C-2F	**56J20**
		42,000	12.3	39,200	11.5	25,000	7.3	13.10	11.20	8.30	7.25	3750	3380	3.40	3025	2.42	CH23-68	**56J20**

NOTE - Ratings for all C26 and C33 coils include all cased and uncased coils.

NOTE - Use FM21 Control with any listed coil and furnace that meets system design requirements. See FM21 page in Thermostats and Controls section for additional data.

1 Sound Rating Number in accordance with test conditions included in ARI Standard 270.

2 Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;
Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.
High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

3 **Factory installed check/expansion valves on indoor units MUST be replaced with separately ordered check/expansion valve kit shown.**

4 Most popular blower coil combination.

5 Canada Only

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-024 — CB30U-31 - CB30M-31 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.8	7.0	1.51	.70	.83	.95	22.8	6.7	1.71	.71	.85	.97	22.0	6.4	1.94	.73	.86	.99	21.0	6.2	2.18	.74	.88	1.00
	800	380	25.2	7.4	1.50	.77	.92	1.00	24.2	7.1	1.71	.78	.93	1.00	23.2	6.8	1.93	.80	.96	1.00	22.2	6.5	2.18	.81	.98	1.00
	1000	470	26.3	7.7	1.49	.83	.98	1.00	25.3	7.4	1.70	.85	1.00	1.00	24.4	7.2	1.92	.86	1.00	1.00	23.5	6.9	2.17	.89	1.00	1.00
67°F (19°C)	600	285	25.6	7.5	1.49	.55	.68	.80	24.6	7.2	1.70	.56	.69	.81	23.6	6.9	1.93	.57	.69	.83	22.6	6.6	2.17	.58	.71	.84
	800	380	27.0	7.9	1.48	.59	.74	.88	25.8	7.6	1.70	.60	.76	.90	24.7	7.2	1.92	.61	.77	.92	23.6	6.9	2.17	.62	.79	.94
	1000	470	27.8	8.1	1.48	.63	.81	.96	26.6	7.8	1.69	.64	.82	.98	25.5	7.5	1.92	.65	.84	.99	24.3	7.1	2.16	.66	.86	1.00
71°F (22°C)	600	285	27.6	8.1	1.48	.42	.54	.65	26.5	7.8	1.69	.42	.54	.66	25.4	7.4	1.92	.43	.55	.67	24.3	7.1	2.16	.43	.56	.68
	800	380	29.0	8.5	1.47	.43	.57	.71	27.7	8.1	1.69	.44	.58	.73	26.6	7.8	1.92	.44	.59	.74	25.4	7.4	2.16	.44	.60	.76
	1000	470	29.9	8.8	1.47	.45	.61	.78	28.5	8.4	1.69	.45	.62	.80	27.2	8.0	1.92	.46	.64	.82	26.0	7.6	2.16	.46	.65	.84

HP27-024 — CB30U-41/46 - CB30M-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.1	7.1	1.46	.71	.83	.95	23.2	6.8	1.66	.71	.84	.97	22.3	6.5	1.88	.73	.86	.99	21.3	6.2	2.12	.74	.88	1.00
	800	380	25.6	7.5	1.45	.77	.92	1.00	24.5	7.2	1.66	.78	.94	1.00	23.6	6.9	1.88	.80	.95	1.00	22.6	6.6	2.11	.81	.97	1.00
	1000	470	26.8	7.9	1.44	.83	.99	1.00	25.7	7.5	1.65	.85	1.00	1.00	24.8	7.3	1.87	.87	1.00	1.00	23.8	7.0	2.11	.89	1.00	1.00
67°F (19°C)	600	285	26.0	7.6	1.45	.55	.68	.79	25.0	7.3	1.65	.56	.68	.81	24.0	7.0	1.87	.56	.70	.83	23.0	6.7	2.11	.57	.71	.84
	800	380	27.4	8.0	1.44	.59	.74	.88	26.3	7.7	1.65	.60	.75	.90	25.1	7.4	1.87	.61	.77	.92	24.0	7.0	2.10	.62	.79	.94
	1000	470	28.3	8.3	1.43	.63	.80	.96	27.1	7.9	1.64	.64	.82	.98	25.9	7.6	1.86	.65	.84	.99	24.7	7.2	2.10	.66	.86	1.00
71°F (22°C)	600	285	28.1	8.2	1.43	.42	.53	.64	26.9	7.9	1.65	.42	.54	.66	25.8	7.6	1.86	.43	.55	.67	24.7	7.2	2.10	.43	.55	.68
	800	380	29.5	8.6	1.43	.43	.57	.71	28.2	8.3	1.65	.44	.58	.73	27.0	7.9	1.87	.44	.59	.74	25.8	7.6	2.10	.44	.60	.76
	1000	470	30.4	8.9	1.42	.45	.61	.77	29.0	8.5	1.64	.45	.62	.79	27.7	8.1	1.87	.46	.64	.82	26.4	7.7	2.10	.46	.66	.84

HP27-024 - CB30U-31 - CB30M-31 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	29.0	8.5	2.21	22.8	6.7	1.91	16.4	4.8	1.61	11.4	3.3	1.38	5.6	1.6	1.06
800	380	29.5	8.6	2.08	23.3	6.8	1.78	16.9	5.0	1.48	11.9	3.5	1.25	6.1	1.8	.93
1000	470	29.9	8.8	1.99	23.7	6.9	1.70	17.3	5.1	1.40	12.3	3.6	1.16	6.5	1.9	.85

HP27-024 - CB30U-41/46 - CB30M-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	29.5	8.6	2.01	23.1	6.8	1.82	16.4	4.8	1.62	11.2	3.3	1.45	5.5	1.6	1.11
800	380	30.1	8.8	1.85	23.7	6.9	1.66	17.0	5.0	1.47	11.8	3.5	1.30	6.1	1.8	.95
1000	470	30.5	8.9	1.77	24.1	7.1	1.58	17.4	5.1	1.38	12.2	3.6	1.21	6.5	1.9	.87

HP27-024 - CB30U-31 - CB30M-31 HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.08	29.5	8.6
60	16	2.01	28.0	8.2
55	13	1.94	26.5	7.8
50	10	1.87	25.1	7.4
47	8	1.83	24.2	7.1
45	7	1.78	23.3	6.8
40	4	1.67	21.1	6.2
35	2	1.56	18.8	5.5
30	-1	1.52	17.9	5.2
25	-4	1.48	16.9	5.0
20	-7	1.44	16.0	4.7
17	-8	1.42	15.4	4.5
15	-9	1.39	14.8	4.3
10	-12	1.32	13.3	3.9
5	-15	1.25	11.9	3.5
0	-18	1.17	10.4	3.0
-5	-21	1.09	9.0	2.6
-10	-23	1.01	7.5	2.2
-15	-26	.93	6.1	1.8
-20	-29	.85	4.6	1.3

HP27-024 - CB30U-41/46 - CB30M-41 HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.85	30.1	8.8
60	16	1.81	28.6	8.4
55	13	1.77	27.1	7.9
50	10	1.72	25.5	7.5
47	8	1.70	24.6	7.2
45	7	1.66	23.7	6.9
40	4	1.58	21.4	6.3
35	2	1.49	19.0	5.6
30	-1	1.48	18.0	5.3
25	-4	1.47	17.0	5.0
20	-7	1.45	16.0	4.7
17	-8	1.44	15.4	4.5
15	-9	1.43	14.8	4.3
10	-12	1.38	13.3	3.9
5	-15	1.30	11.8	3.5
0	-18	1.21	10.4	3.0
-5	-21	1.12	8.9	2.6
-10	-23	1.04	7.5	2.2
-15	-26	.95	6.1	1.8
-20	-29	.87	4.6	1.3

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-024 — CB31MV-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.2	7.1	1.46	.70	.83	.95	23.3	6.8	1.66	.72	.85	.97	22.3	6.5	1.88	.72	.86	.99	21.4	6.3	2.12	.73	.88	1.00
	800	380	25.7	7.5	1.45	.76	.91	1.00	24.6	7.2	1.66	.78	.93	1.00	23.6	6.9	1.88	.79	.96	1.00	22.6	6.6	2.11	.81	.98	1.00
	1000	470	26.8	7.9	1.44	.83	.99	1.00	25.8	7.6	1.65	.85	1.00	1.00	24.8	7.3	1.87	.86	1.00	1.00	23.9	7.0	2.11	.89	1.00	1.00
67°F (19°C)	600	285	26.1	7.6	1.45	.56	.67	.79	25.1	7.4	1.65	.56	.69	.81	24.0	7.0	1.87	.57	.70	.82	23.0	6.7	2.11	.57	.71	.84
	800	380	27.5	8.1	1.44	.59	.74	.88	26.4	7.7	1.65	.60	.75	.90	25.2	7.4	1.87	.61	.77	.92	24.1	7.1	2.10	.62	.79	.94
	1000	470	28.4	8.3	1.43	.63	.80	.96	27.2	8.0	1.64	.64	.82	.98	26.0	7.6	1.86	.65	.84	.99	24.8	7.3	2.10	.66	.86	1.00
71°F (22°C)	600	285	28.2	8.3	1.43	.42	.53	.65	27.0	7.9	1.65	.42	.54	.66	25.9	7.6	1.86	.42	.54	.67	24.8	7.3	2.10	.43	.55	.68
	800	380	29.6	8.7	1.43	.43	.57	.71	28.3	8.3	1.65	.43	.58	.73	27.1	7.9	1.87	.44	.59	.74	25.9	7.6	2.10	.44	.60	.76
	1000	470	30.5	8.9	1.42	.45	.61	.77	29.1	8.5	1.64	.45	.63	.79	27.8	8.1	1.87	.46	.64	.82	26.5	7.8	2.10	.46	.65	.84

HP27-024 — CVP10-31/EC10Q3 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	22.9	6.7	1.47	.70	.83	.95	22.1	6.5	1.67	.71	.85	.96	21.2	6.2	1.89	.72	.86	.98	20.4	6.0	2.13	.73	.88	1.00
	800	380	24.3	7.1	1.46	.76	.91	1.00	23.3	6.8	1.67	.78	.94	1.00	22.4	6.6	1.88	.79	.95	1.00	21.5	6.3	2.12	.81	.97	1.00
	1000	470	25.4	7.4	1.45	.83	.98	1.00	24.4	7.2	1.66	.85	.99	1.00	23.5	6.9	1.88	.86	1.00	1.00	22.7	6.7	2.12	.88	1.00	1.00
67°F (19°C)	600	285	24.7	7.2	1.46	.55	.68	.79	23.7	6.9	1.66	.56	.69	.81	22.8	6.7	1.88	.57	.70	.82	21.9	6.4	2.12	.57	.71	.84
	800	380	26.0	7.6	1.45	.59	.74	.88	24.9	7.3	1.66	.60	.75	.90	23.9	7.0	1.88	.61	.77	.92	22.8	6.7	2.11	.62	.79	.94
	1000	470	26.8	7.9	1.44	.63	.80	.95	25.7	7.5	1.65	.64	.82	.97	24.6	7.2	1.87	.65	.84	.99	23.5	6.9	2.11	.66	.86	1.00
71°F (22°C)	600	285	26.6	7.8	1.44	.42	.53	.65	25.5	7.5	1.65	.42	.54	.66	24.5	7.2	1.87	.42	.55	.67	23.5	6.9	2.11	.43	.55	.68
	800	380	27.9	8.2	1.44	.43	.57	.71	26.7	7.8	1.65	.44	.58	.73	25.6	7.5	1.87	.44	.59	.74	24.5	7.2	2.10	.44	.60	.76
	1000	470	28.7	8.4	1.43	.45	.61	.77	27.5	8.1	1.65	.45	.63	.80	26.3	7.7	1.87	.46	.64	.81	25.1	7.4	2.10	.46	.65	.83

HP27-024 - CB31MV-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	29.1	8.5	1.99	22.7	6.7	1.80	16.0	4.7	1.60	10.9	3.2	1.43	5.3	1.6	1.09
800	380	29.7	8.7	1.84	23.3	6.8	1.65	16.6	4.9	1.45	11.5	3.4	1.27	5.9	1.7	.94
1000	470	30.0	8.8	1.75	23.6	6.9	1.56	16.9	5.0	1.36	11.8	3.5	1.19	6.2	1.8	.85

HP27-024 - CVP10-31/EC10Q3 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	30.5	8.9	1.73	23.7	6.9	1.60	16.8	4.9	1.47	11.4	3.3	1.34	5.5	1.6	1.02
800	380	31.2	9.1	1.59	24.4	7.2	1.47	17.5	5.1	1.33	12.1	3.5	1.21	6.2	1.8	.88
1000	470	31.8	9.3	1.52	25.0	7.3	1.39	18.1	5.3	1.26	12.7	3.7	1.13	6.8	2.0	.81

HP27-024 - CB31MV-41 HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.84	29.7	8.7
60	16	1.79	28.2	8.3
55	13	1.75	26.7	7.8
50	10	1.71	25.1	7.4
47	8	1.68	24.2	7.1
45	7	1.65	23.3	6.8
40	4	1.56	21.0	6.2
35	2	1.48	18.7	5.5
30	-1	1.46	17.7	5.2
25	-4	1.45	16.6	4.9
20	-7	1.43	15.6	4.6
17	-8	1.42	15.0	4.4
15	-9	1.40	14.4	4.2
10	-12	1.36	12.9	3.8
5	-15	1.27	11.5	3.4
0	-18	1.19	10.1	3.0
-5	-21	1.11	8.7	2.5
-10	-23	1.02	7.3	2.1
-15	-26	.94	5.9	1.7
-20	-29	.85	4.5	1.3

HP27-024 - CVP10-31/EC10Q3 HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.59	31.2	9.1
60	16	1.57	29.6	8.7
55	13	1.54	28.0	8.2
50	10	1.51	26.4	7.7
47	8	1.49	25.4	7.4
45	7	1.47	24.4	7.2
40	4	1.40	22.0	6.4
35	2	1.33	19.6	5.7
30	-1	1.33	18.6	5.5
25	-4	1.33	17.5	5.1
20	-7	1.33	16.4	4.8
17	-8	1.33	15.8	4.6
15	-9	1.32	15.2	4.5
10	-12	1.29	13.6	4.0
5	-15	1.21	12.1	3.5
0	-18	1.13	10.6	3.1
-5	-21	1.04	9.2	2.7
-10	-23	.96	7.7	2.3
-15	-26	.88	6.2	1.8
-20	-29	.80	4.7	1.4

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-024 — CVP10-41/EC10Q3 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.2	6.8	1.47	.71	.83	.95	22.3	6.5	1.67	.71	.84	.96	21.4	6.3	1.89	.72	.86	.98	20.5	6.0	2.13	.73	.88	1.00
	800	380	24.6	7.2	1.46	.76	.91	1.00	23.6	6.9	1.67	.78	.93	1.00	22.7	6.7	1.89	.79	.95	1.00	21.7	6.4	2.13	.81	.97	1.00
	1000	470	25.7	7.5	1.45	.83	.98	1.00	24.7	7.2	1.66	.84	1.00	1.00	23.8	7.0	1.88	.86	1.00	1.00	22.9	6.7	2.12	.88	1.00	1.00
67°F (19°C)	600	285	25.0	7.3	1.46	.56	.67	.79	24.0	7.0	1.66	.56	.68	.81	23.0	6.7	1.88	.57	.70	.82	22.1	6.5	2.12	.57	.71	.84
	800	380	26.4	7.7	1.44	.59	.73	.88	25.3	7.4	1.66	.60	.75	.90	24.2	7.1	1.88	.60	.76	.92	23.1	6.8	2.12	.61	.78	.94
	1000	470	27.3	8.0	1.44	.63	.80	.96	26.1	7.6	1.65	.64	.82	.97	24.9	7.3	1.87	.65	.84	.99	23.8	7.0	2.11	.66	.86	1.00
71°F (22°C)	600	285	27.0	7.9	1.44	.42	.53	.64	25.9	7.6	1.65	.42	.54	.65	24.8	7.3	1.87	.42	.54	.67	23.8	7.0	2.11	.42	.55	.68
	800	380	28.4	8.3	1.44	.43	.57	.71	27.1	7.9	1.65	.44	.58	.72	26.0	7.6	1.87	.44	.59	.74	24.8	7.3	2.11	.44	.60	.76
	1000	470	29.3	8.6	1.43	.45	.61	.77	27.9	8.2	1.65	.45	.62	.79	26.7	7.8	1.88	.46	.64	.81	25.5	7.5	2.11	.46	.65	.84

HP27-024 — C26-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.2	7.1	1.47	.70	.83	.95	23.3	6.8	1.67	.72	.85	.97	22.4	6.6	1.88	.73	.86	.99	21.4	6.3	2.12	.74	.88	1.00
	800	380	25.6	7.5	1.45	.76	.92	1.00	24.6	7.2	1.66	.78	.93	1.00	23.6	6.9	1.88	.79	.96	1.00	22.7	6.7	2.12	.81	.97	1.00
	1000	470	26.8	7.9	1.44	.83	.99	1.00	25.8	7.6	1.65	.85	1.00	1.00	24.8	7.3	1.87	.87	1.00	1.00	23.9	7.0	2.11	.88	1.00	1.00
67°F (19°C)	600	285	26.1	7.6	1.45	.56	.67	.80	25.0	7.3	1.66	.56	.69	.81	24.0	7.0	1.87	.57	.70	.83	23.0	6.7	2.11	.57	.71	.84
	800	380	27.5	8.1	1.44	.59	.74	.88	26.3	7.7	1.65	.60	.75	.90	25.2	7.4	1.87	.61	.77	.92	24.1	7.1	2.11	.62	.79	.94
	1000	470	28.4	8.3	1.43	.63	.80	.96	27.1	7.9	1.64	.64	.82	.98	25.9	7.6	1.86	.65	.84	.99	24.8	7.3	2.10	.66	.86	1.00
71°F (22°C)	600	285	28.1	8.2	1.44	.42	.53	.65	27.0	7.9	1.64	.42	.54	.66	25.9	7.6	1.87	.42	.55	.67	24.8	7.3	2.10	.43	.55	.68
	800	380	29.5	8.6	1.43	.43	.57	.71	28.3	8.3	1.64	.43	.58	.73	27.0	7.9	1.87	.44	.59	.74	25.8	7.6	2.10	.45	.60	.76
	1000	470	30.4	8.9	1.43	.45	.61	.78	29.0	8.5	1.64	.45	.63	.80	27.7	8.1	1.87	.46	.64	.82	26.5	7.8	2.10	.46	.65	.84

HP27-024 - CVP10-41/EC10Q3 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	30.8	9.0	1.72	23.9	7.0	1.59	16.8	4.9	1.45	11.4	3.3	1.32	5.5	1.6	1.00
800	380	31.5	9.2	1.58	24.6	7.2	1.45	17.5	5.1	1.31	12.1	3.5	1.19	6.2	1.8	.87
1000	470	32.0	9.4	1.51	25.1	7.4	1.38	18.0	5.3	1.24	12.6	3.7	1.11	6.7	2.0	.79

HP27-024 - C26-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	29.6	8.7	1.95	23.2	6.8	1.76	16.5	4.8	1.56	11.3	3.3	1.40	5.4	1.6	1.06
800	380	30.3	8.9	1.82	23.9	7.0	1.63	17.2	5.0	1.43	12.0	3.5	1.27	6.1	1.8	.93
1000	470	30.8	9.0	1.73	24.4	7.2	1.54	17.7	5.2	1.35	12.5	3.7	1.18	6.6	1.9	.85

HP27-024 - CVP10-41/EC10Q3 HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.58	31.5	9.2
60	16	1.55	29.8	8.7
55	13	1.52	28.2	8.3
50	10	1.50	26.6	7.8
47	8	1.48	25.6	7.5
45	7	1.45	24.6	7.2
40	4	1.38	22.2	6.5
35	2	1.32	19.7	5.8
30	-1	1.31	18.6	5.5
25	-4	1.31	17.5	5.1
20	-7	1.31	16.5	4.8
17	-8	1.31	15.8	4.6
15	-9	1.30	15.1	4.4
10	-12	1.27	13.5	4.0
5	-15	1.19	12.1	3.5
0	-18	1.11	10.6	3.1
-5	-21	1.03	9.1	2.7
-10	-23	.95	7.7	2.3
-15	-26	.87	6.2	1.8
-20	-29	.79	4.7	1.4

HP27-024 - C26-41 HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.82	30.3	8.9
60	16	1.77	28.8	8.4
55	13	1.73	27.3	8.0
50	10	1.69	25.7	7.5
47	8	1.66	24.8	7.3
45	7	1.63	23.9	7.0
40	4	1.54	21.5	6.3
35	2	1.46	19.2	5.6
30	-1	1.45	18.2	5.3
25	-4	1.43	17.2	5.0
20	-7	1.42	16.2	4.7
17	-8	1.41	15.6	4.6
15	-9	1.39	15.0	4.4
10	-12	1.35	13.5	4.0
5	-15	1.27	12.0	3.5
0	-18	1.18	10.5	3.1
-5	-21	1.10	9.1	2.7
-10	-23	1.01	7.6	2.2
-15	-26	.93	6.1	1.8
-20	-29	.85	4.7	1.4

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-024 — C33-38A/B COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	22.9	6.7	1.43	.71	.83	.94	22.2	6.5	1.60	.71	.84	.96	21.3	6.2	1.81	.72	.86	.98	20.4	6.0	2.05	.73	.88	1.00
	800	380	24.2	7.1	1.43	.76	.91	1.00	23.3	6.8	1.61	.77	.93	1.00	22.4	6.6	1.81	.79	.95	1.00	21.5	6.3	2.05	.81	.97	1.00
	1000	470	25.1	7.4	1.44	.82	.99	1.00	24.3	7.1	1.61	.84	1.00	1.00	23.4	6.9	1.82	.86	1.00	1.00	22.5	6.6	2.05	.88	1.00	1.00
67°F (19°C)	600	285	24.6	7.2	1.44	.56	.67	.79	23.7	6.9	1.61	.56	.69	.81	22.8	6.7	1.81	.57	.70	.82	21.9	6.4	2.05	.57	.71	.84
	800	380	25.8	7.6	1.44	.59	.74	.88	24.8	7.3	1.62	.60	.75	.90	23.9	7.0	1.82	.60	.76	.91	22.8	6.7	2.06	.62	.78	.94
	1000	470	26.5	7.8	1.45	.63	.80	.96	25.5	7.5	1.62	.64	.82	.97	24.5	7.2	1.82	.65	.83	.99	23.5	6.9	2.06	.66	.85	1.00
71°F (22°C)	600	285	26.3	7.7	1.45	.43	.54	.65	25.4	7.4	1.62	.43	.54	.66	24.5	7.2	1.82	.43	.55	.67	23.4	6.9	2.06	.43	.56	.68
	800	380	27.5	8.1	1.45	.44	.57	.71	26.5	7.8	1.63	.44	.58	.72	25.5	7.5	1.83	.44	.59	.74	24.4	7.2	2.06	.45	.60	.76
	1000	470	28.2	8.3	1.46	.45	.62	.78	27.2	8.0	1.63	.45	.62	.79	26.1	7.6	1.83	.46	.63	.81	25.0	7.3	2.07	.46	.65	.83

HP27-024 — C26-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.3	7.1	1.47	.70	.83	.95	23.4	6.9	1.68	.71	.85	.97	22.4	6.6	1.89	.72	.86	.99	21.5	6.3	2.14	.74	.88	1.00
	800	380	25.8	7.6	1.46	.77	.92	1.00	24.8	7.3	1.67	.78	.94	1.00	23.7	6.9	1.89	.80	.96	1.00	22.8	6.7	2.13	.81	.98	1.00
	1000	470	27.0	7.9	1.45	.83	.99	1.00	26.0	7.6	1.66	.85	1.00	1.00	25.0	7.3	1.88	.87	1.00	1.00	24.1	7.1	2.12	.89	1.00	1.00
67°F (19°C)	600	285	26.2	7.7	1.46	.56	.68	.79	25.2	7.4	1.67	.56	.68	.81	24.1	7.1	1.89	.57	.70	.82	23.1	6.8	2.13	.57	.71	.84
	800	380	27.7	8.1	1.45	.59	.74	.88	26.5	7.8	1.66	.60	.75	.91	25.3	7.4	1.88	.61	.77	.93	24.2	7.1	2.12	.62	.79	.95
	1000	470	28.6	8.4	1.44	.63	.81	.96	27.3	8.0	1.66	.64	.82	.98	26.1	7.6	1.88	.65	.85	1.00	25.0	7.3	2.11	.67	.86	1.00
71°F (22°C)	600	285	28.3	8.3	1.44	.42	.53	.65	27.1	7.9	1.66	.42	.54	.66	26.0	7.6	1.88	.42	.55	.67	24.9	7.3	2.12	.43	.55	.68
	800	380	29.7	8.7	1.44	.43	.57	.71	28.4	8.3	1.66	.44	.58	.73	27.2	8.0	1.88	.44	.59	.75	26.0	7.6	2.12	.44	.60	.76
	1000	470	30.7	9.0	1.43	.45	.62	.78	29.2	8.6	1.66	.45	.63	.80	27.9	8.2	1.88	.46	.64	.82	26.6	7.8	2.12	.47	.66	.84

HP27-024 - C33-38A/B HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	30.2	8.9	2.19	22.4	6.6	1.93	14.2	4.2	1.66	9.6	2.8	1.49	4.6	1.3	1.16
800	380	31.1	9.1	1.99	23.3	6.8	1.73	15.1	4.4	1.46	10.5	3.1	1.29	5.5	1.6	.96
1000	470	31.7	9.3	1.89	23.9	7.0	1.63	15.7	4.6	1.36	11.1	3.3	1.19	6.1	1.8	.86

HP27-024 - C26-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	29.6	8.7	1.99	23.2	6.8	1.80	16.5	4.8	1.60	11.3	3.3	1.43	5.4	1.6	1.10
800	380	30.3	8.9	1.84	23.9	7.0	1.65	17.2	5.0	1.45	12.0	3.5	1.28	6.1	1.8	.94
1000	470	30.8	9.0	1.75	24.4	7.2	1.56	17.7	5.2	1.36	12.5	3.7	1.19	6.6	1.9	.86

HP27-024 - C33-38A/B HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.99	31.1	9.1
60	16	1.93	29.3	8.6
55	13	1.88	27.6	8.1
50	10	1.82	25.8	7.6
47	8	1.79	24.8	7.3
45	7	1.73	23.3	6.8
40	4	1.60	19.8	5.8
35	2	1.47	16.3	4.8
30	-1	1.47	15.7	4.6
25	-4	1.46	15.1	4.4
20	-7	1.45	14.6	4.3
17	-8	1.45	14.2	4.2
15	-9	1.43	13.5	4.0
10	-12	1.37	11.8	3.5
5	-15	1.29	10.5	3.1
0	-18	1.21	9.3	2.7
-5	-21	1.12	8.0	2.3
-10	-23	1.04	6.8	2.0
-15	-26	.96	5.5	1.6
-20	-29	.87	4.3	1.3

HP27-024 - C26-46 HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.84	30.3	8.9
60	16	1.80	28.8	8.4
55	13	1.75	27.3	8.0
50	10	1.71	25.7	7.5
47	8	1.68	24.8	7.3
45	7	1.65	23.9	7.0
40	4	1.56	21.5	6.3
35	2	1.48	19.2	5.6
30	-1	1.46	18.2	5.3
25	-4	1.45	17.2	5.0
20	-7	1.43	16.2	4.7
17	-8	1.42	15.6	4.6
15	-9	1.41	15.0	4.4
10	-12	1.36	13.5	4.0
5	-15	1.28	12.0	3.5
0	-18	1.19	10.5	3.1
-5	-21	1.11	9.1	2.7
-10	-23	1.03	7.6	2.2
-15	-26	.94	6.1	1.8
-20	-29	.86	4.7	1.4

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-024 — C33-48B/C COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.1	6.8	1.44	.70	.83	.95	22.3	6.5	1.61	.71	.84	.96	21.4	6.3	1.82	.72	.86	.98	20.5	6.0	2.06	.73	.88	1.00
	800	380	24.3	7.1	1.44	.76	.91	1.00	23.5	6.9	1.62	.78	.93	1.00	22.6	6.6	1.82	.79	.95	1.00	21.6	6.3	2.06	.81	.97	1.00
	1000	470	25.3	7.4	1.45	.82	.98	1.00	24.4	7.2	1.62	.84	1.00	1.00	23.5	6.9	1.82	.86	1.00	1.00	22.6	6.6	2.06	.87	1.00	1.00
67°F (19°C)	600	285	24.7	7.2	1.44	.56	.67	.79	23.9	7.0	1.62	.56	.68	.81	23.0	6.7	1.82	.57	.69	.82	22.0	6.4	2.06	.57	.71	.84
	800	380	25.9	7.6	1.45	.59	.74	.88	25.0	7.3	1.63	.60	.75	.89	24.0	7.0	1.83	.61	.76	.91	22.9	6.7	2.07	.62	.78	.94
	1000	470	26.7	7.8	1.45	.63	.80	.96	25.7	7.5	1.63	.64	.81	.97	24.7	7.2	1.83	.65	.83	.99	23.6	6.9	2.07	.66	.85	1.00
71°F (22°C)	600	285	26.4	7.7	1.45	.43	.54	.65	25.5	7.5	1.63	.43	.54	.66	24.6	7.2	1.83	.43	.55	.67	23.6	6.9	2.07	.43	.55	.68
	800	380	27.6	8.1	1.46	.44	.57	.71	26.7	7.8	1.64	.44	.58	.73	25.6	7.5	1.84	.44	.59	.74	24.5	7.2	2.07	.45	.60	.76
	1000	470	28.4	8.3	1.47	.45	.62	.78	27.3	8.0	1.64	.46	.63	.79	26.3	7.7	1.84	.46	.63	.81	25.1	7.4	2.08	.46	.65	.83

HP27-024 — CR26-48N/W-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.8	7.0	1.48	.70	.83	.95	22.9	6.7	1.68	.71	.84	.96	22.0	6.4	1.90	.72	.85	.98	21.1	6.2	2.14	.73	.87	1.00
	800	380	25.2	7.4	1.47	.76	.91	1.00	24.2	7.1	1.67	.77	.93	1.00	23.2	6.8	1.89	.79	.95	1.00	22.3	6.5	2.13	.81	.96	1.00
	1000	470	26.3	7.7	1.45	.82	.98	1.00	25.3	7.4	1.66	.84	.99	1.00	24.3	7.1	1.89	.85	1.00	1.00	23.4	6.9	2.12	.88	1.00	1.00
67°F (19°C)	600	285	25.7	7.5	1.46	.55	.67	.79	24.7	7.2	1.67	.56	.68	.81	23.7	6.9	1.89	.56	.69	.82	22.7	6.7	2.13	.57	.70	.84
	800	380	27.1	7.9	1.45	.59	.73	.87	26.0	7.6	1.66	.59	.75	.89	24.8	7.3	1.88	.60	.76	.91	23.8	7.0	2.12	.61	.78	.93
	1000	470	28.0	8.2	1.44	.62	.79	.95	26.8	7.9	1.66	.63	.81	.97	25.6	7.5	1.88	.64	.83	.98	24.4	7.2	2.12	.66	.85	1.00
71°F (22°C)	600	285	27.7	8.1	1.45	.42	.53	.64	26.6	7.8	1.66	.42	.54	.65	25.5	7.5	1.88	.42	.55	.66	24.4	7.2	2.12	.43	.55	.68
	800	380	29.2	8.6	1.44	.43	.57	.70	27.9	8.2	1.66	.43	.58	.72	26.7	7.8	1.88	.44	.59	.73	25.5	7.5	2.12	.44	.60	.75
	1000	470	30.1	8.8	1.44	.45	.60	.76	28.7	8.4	1.66	.45	.62	.79	27.4	8.0	1.88	.45	.63	.81	26.2	7.7	2.12	.46	.65	.83

HP27-024 - C33-48B/C HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	30.2	8.9	2.17	22.4	6.6	1.94	14.2	4.2	1.68	9.5	2.8	1.54	4.6	1.3	1.18
800	380	31.1	9.1	1.97	23.3	6.8	1.74	15.1	4.4	1.49	10.4	3.0	1.34	5.5	1.6	.99
1000	470	31.7	9.3	1.86	23.9	7.0	1.63	15.7	4.6	1.38	11.0	3.2	1.23	6.1	1.8	.88

HP27-024 - CR26-48N/W-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	30.5	8.9	1.81	23.7	6.9	1.66	16.8	4.9	1.50	11.4	3.3	1.36	5.5	1.6	1.03
800	380	31.2	9.1	1.67	24.4	7.2	1.52	17.5	5.1	1.36	12.1	3.5	1.22	6.2	1.8	.89
1000	470	31.7	9.3	1.58	24.9	7.3	1.43	18.0	5.3	1.27	12.6	3.7	1.14	6.7	2.0	.81

HP27-024 - C33-48B/C HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.97	31.1	9.1
60	16	1.92	29.3	8.6
55	13	1.87	27.6	8.1
50	10	1.82	25.8	7.6
47	8	1.79	24.7	7.2
45	7	1.74	23.3	6.8
40	4	1.61	19.8	5.8
35	2	1.47	16.3	4.8
30	-1	1.48	15.7	4.6
25	-4	1.49	15.1	4.4
20	-7	1.49	14.5	4.2
17	-8	1.50	14.1	4.1
15	-9	1.48	13.4	3.9
10	-12	1.43	11.6	3.4
5	-15	1.34	10.4	3.0
0	-18	1.25	9.2	2.7
-5	-21	1.16	7.9	2.3
-10	-23	1.08	6.7	2.0
-15	-26	.99	5.5	1.6
-20	-29	.90	4.2	1.2

HP27-024 - CR26-48N/W-F HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.67	31.2	9.1
60	16	1.63	29.6	8.7
55	13	1.60	28.0	8.2
50	10	1.57	26.4	7.7
47	8	1.55	25.4	7.4
45	7	1.52	24.4	7.2
40	4	1.45	22.0	6.4
35	2	1.37	19.6	5.7
30	-1	1.37	18.6	5.5
25	-4	1.36	17.5	5.1
20	-7	1.35	16.4	4.8
17	-8	1.35	15.8	4.6
15	-9	1.34	15.2	4.5
10	-12	1.30	13.6	4.0
5	-15	1.22	12.1	3.5
0	-18	1.14	10.6	3.1
-5	-21	1.06	9.2	2.7
-10	-23	.98	7.7	2.3
-15	-26	.89	6.2	1.8
-20	-29	.81	4.7	1.4

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-024 — CR26-60N/W-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.4	7.2	1.47	.70	.83	.95	23.4	6.9	1.67	.71	.84	.97	22.4	6.6	1.89	.72	.86	.99	21.5	6.3	2.14	.73	.88	1.00
	800	380	25.9	7.6	1.46	.76	.92	1.00	24.8	7.3	1.67	.78	.94	1.00	23.8	7.0	1.89	.79	.95	1.00	22.8	6.7	2.13	.81	.98	1.00
	1000	470	27.1	7.9	1.45	.83	.99	1.00	26.0	7.6	1.66	.85	1.00	1.00	25.1	7.4	1.88	.86	1.00	1.00	24.1	7.1	2.12	.88	1.00	1.00
67°F (19°C)	600	285	26.3	7.7	1.45	.56	.67	.79	25.2	7.4	1.66	.56	.68	.81	24.2	7.1	1.89	.57	.69	.82	23.1	6.8	2.12	.57	.71	.84
	800	380	27.8	8.1	1.44	.59	.74	.88	26.6	7.8	1.66	.60	.75	.90	25.4	7.4	1.88	.61	.77	.92	24.3	7.1	2.12	.62	.79	.94
	1000	470	28.8	8.4	1.44	.63	.80	.96	27.4	8.0	1.66	.64	.82	.98	26.2	7.7	1.88	.65	.84	1.00	25.0	7.3	2.11	.66	.86	1.00
71°F (22°C)	600	285	28.4	8.3	1.44	.42	.53	.64	27.2	8.0	1.66	.42	.54	.65	26.1	7.6	1.88	.43	.54	.66	25.0	7.3	2.11	.43	.55	.68
	800	380	29.9	8.8	1.43	.43	.57	.71	28.6	8.4	1.66	.43	.58	.72	27.3	8.0	1.88	.44	.59	.74	26.1	7.6	2.12	.44	.60	.76
	1000	470	30.9	9.1	1.43	.45	.61	.78	29.4	8.6	1.66	.45	.63	.80	28.1	8.2	1.88	.46	.64	.82	26.8	7.9	2.12	.46	.65	.84

HP27-024 — CH33-44/48B-2F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.1	6.8	1.44	.70	.83	.95	22.3	6.5	1.61	.71	.84	.96	21.5	6.3	1.82	.72	.85	.98	20.5	6.0	2.06	.73	.87	1.00
	800	380	24.4	7.2	1.44	.76	.91	1.00	23.5	6.9	1.62	.77	.93	1.00	22.6	6.6	1.82	.79	.95	1.00	21.6	6.3	2.06	.80	.97	1.00
	1000	470	25.3	7.4	1.45	.82	.99	1.00	24.4	7.2	1.62	.84	1.00	1.00	23.6	6.9	1.83	.86	1.00	1.00	22.7	6.7	2.06	.88	1.00	1.00
67°F (19°C)	600	285	24.7	7.2	1.44	.56	.67	.79	23.9	7.0	1.62	.56	.68	.81	23.0	6.7	1.82	.57	.69	.82	22.0	6.4	2.06	.57	.71	.84
	800	380	26.0	7.6	1.45	.59	.73	.88	25.0	7.3	1.63	.60	.75	.90	24.0	7.0	1.83	.61	.77	.92	23.0	6.7	2.07	.61	.78	.94
	1000	470	26.7	7.8	1.46	.63	.80	.96	25.8	7.6	1.63	.64	.81	.98	24.7	7.2	1.83	.65	.83	.99	23.6	6.9	2.07	.66	.86	1.00
71°F (22°C)	600	285	26.5	7.8	1.45	.43	.54	.65	25.6	7.5	1.63	.43	.54	.65	24.6	7.2	1.83	.43	.55	.67	23.6	6.9	2.07	.43	.55	.68
	800	380	27.7	8.1	1.46	.44	.57	.71	26.7	7.8	1.64	.44	.58	.73	25.7	7.5	1.84	.44	.59	.74	24.6	7.2	2.07	.44	.60	.76
	1000	470	28.5	8.4	1.47	.45	.61	.78	27.4	8.0	1.64	.45	.63	.79	26.3	7.7	1.84	.46	.64	.81	25.2	7.4	2.08	.46	.65	.83

HP27-024 - CR26-60N/W-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	30.7	9.0	1.73	23.8	7.0	1.60	16.7	4.9	1.45	11.3	3.3	1.33	5.4	1.6	1.01
800	380	31.5	9.2	1.59	24.6	7.2	1.46	17.5	5.1	1.32	12.1	3.5	1.19	6.2	1.8	.87
1000	470	32.0	9.4	1.51	25.1	7.4	1.38	18.0	5.3	1.24	12.6	3.7	1.11	6.7	2.0	.79

HP27-024 - CH33-44/48B-2F - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	30.2	8.9	2.18	22.4	6.6	1.93	14.2	4.2	1.65	9.6	2.8	1.48	4.6	1.3	1.15
800	380	31.1	9.1	1.99	23.3	6.8	1.73	15.1	4.4	1.46	10.5	3.1	1.29	5.5	1.6	.95
1000	470	31.7	9.3	1.88	23.9	7.0	1.62	15.7	4.6	1.35	11.1	3.3	1.18	6.1	1.8	.84

HP27-024 - CR26-60N/W-F HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.59	31.5	9.2
60	16	1.57	29.8	8.7
55	13	1.54	28.2	8.3
50	10	1.51	26.6	7.8
47	8	1.49	25.6	7.5
45	7	1.46	24.6	7.2
40	4	1.39	22.2	6.5
35	2	1.32	19.7	5.8
30	-1	1.32	18.6	5.5
25	-4	1.32	17.5	5.1
20	-7	1.32	16.5	4.8
17	-8	1.31	15.8	4.6
15	-9	1.30	15.1	4.4
10	-12	1.27	13.5	4.0
5	-15	1.19	12.1	3.5
0	-18	1.11	10.6	3.1
-5	-21	1.03	9.1	2.7
-10	-23	.95	7.7	2.3
-15	-26	.87	6.2	1.8
-20	-29	.79	4.7	1.4

HP27-024 - CH33-44/48B-2F HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.99	31.1	9.1
60	16	1.93	29.3	8.6
55	13	1.88	27.6	8.1
50	10	1.82	25.8	7.6
47	8	1.79	24.8	7.3
45	7	1.73	23.3	6.8
40	4	1.60	19.8	5.8
35	2	1.47	16.3	4.8
30	-1	1.47	15.7	4.6
25	-4	1.46	15.1	4.4
20	-7	1.45	14.6	4.3
17	-8	1.45	14.2	4.2
15	-9	1.43	13.5	4.0
10	-12	1.37	11.8	3.5
5	-15	1.29	10.5	3.1
0	-18	1.20	9.3	2.7
-5	-21	1.12	8.0	2.3
-10	-23	1.04	6.8	2.0
-15	-26	.95	5.5	1.6
-20	-29	.87	4.3	1.3

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-024 — CH23-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.2	7.1	1.48	.71	.83	.95	23.2	6.8	1.68	.72	.85	.97	22.3	6.5	1.90	.73	.87	.99	21.4	6.3	2.14	.74	.88	1.00
	800	380	25.6	7.5	1.46	.77	.92	1.00	24.6	7.2	1.67	.78	.94	1.00	23.6	6.9	1.89	.80	.96	1.00	22.6	6.6	2.13	.81	.98	1.00
	1000	470	26.8	7.9	1.45	.83	.99	1.00	25.8	7.6	1.66	.85	1.00	1.00	24.9	7.3	1.88	.87	1.00	1.00	23.9	7.0	2.12	.89	1.00	1.00
67°F (19°C)	600	285	26.0	7.6	1.46	.56	.68	.80	25.0	7.3	1.67	.56	.69	.81	24.0	7.0	1.89	.57	.70	.83	23.0	6.7	2.13	.57	.71	.85
	800	380	27.4	8.0	1.45	.59	.74	.88	26.3	7.7	1.66	.60	.76	.90	25.2	7.4	1.88	.61	.77	.93	24.1	7.1	2.12	.62	.79	.95
	1000	470	28.4	8.3	1.44	.63	.81	.97	27.1	7.9	1.66	.64	.83	.98	25.9	7.6	1.88	.66	.85	1.00	24.8	7.3	2.12	.67	.87	1.00
71°F (22°C)	600	285	28.1	8.2	1.45	.42	.53	.65	26.9	7.9	1.66	.42	.54	.66	25.8	7.6	1.88	.43	.55	.67	24.7	7.2	2.12	.43	.55	.68
	800	380	29.5	8.6	1.44	.43	.57	.72	28.2	8.3	1.66	.44	.59	.73	27.0	7.9	1.88	.44	.59	.75	25.8	7.6	2.12	.45	.60	.77
	1000	470	30.4	8.9	1.44	.45	.62	.78	29.0	8.5	1.66	.46	.63	.80	27.7	8.1	1.88	.46	.64	.82	26.4	7.7	2.12	.47	.66	.84

HP27-024 — CH33-48C-2F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.1	6.8	1.44	.70	.83	.95	22.3	6.5	1.61	.71	.84	.96	21.5	6.3	1.82	.72	.85	.98	20.5	6.0	2.06	.73	.88	1.00
	800	380	24.4	7.2	1.44	.76	.91	1.00	23.5	6.9	1.62	.77	.93	1.00	22.6	6.6	1.82	.79	.95	1.00	21.6	6.3	2.06	.80	.97	1.00
	1000	470	25.3	7.4	1.45	.82	.99	1.00	24.5	7.2	1.62	.84	1.00	1.00	23.6	6.9	1.83	.85	1.00	1.00	22.7	6.7	2.06	.88	1.00	1.00
67°F (19°C)	600	285	24.8	7.3	1.44	.56	.67	.79	23.9	7.0	1.62	.56	.68	.81	23.0	6.7	1.82	.57	.69	.82	22.0	6.4	2.06	.57	.71	.84
	800	380	26.0	7.6	1.45	.59	.73	.88	25.0	7.3	1.63	.60	.75	.90	24.1	7.1	1.83	.60	.76	.91	23.0	6.7	2.07	.61	.78	.94
	1000	470	26.8	7.9	1.46	.63	.80	.96	25.8	7.6	1.63	.63	.81	.98	24.7	7.2	1.83	.65	.83	.99	23.6	6.9	2.07	.66	.86	1.00
71°F (22°C)	600	285	26.5	7.8	1.45	.43	.54	.65	25.6	7.5	1.63	.43	.54	.65	24.6	7.2	1.83	.43	.55	.67	23.6	6.9	2.07	.43	.56	.68
	800	380	27.7	8.1	1.46	.44	.58	.71	26.7	7.8	1.64	.44	.58	.73	25.7	7.5	1.84	.44	.59	.74	24.6	7.2	2.07	.44	.60	.76
	1000	470	28.5	8.4	1.47	.45	.61	.78	27.5	8.1	1.64	.45	.62	.79	26.4	7.7	1.84	.46	.64	.81	25.2	7.4	2.08	.46	.65	.83

HP27-024 - CH23-51 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	30.6	9.0	1.76	23.7	6.9	1.62	16.7	4.9	1.46	11.2	3.3	1.33	5.4	1.6	1.01
800	380	31.3	9.2	1.62	24.4	7.2	1.48	17.4	5.1	1.33	11.9	3.5	1.20	6.1	1.8	.87
1000	470	31.8	9.3	1.55	24.9	7.3	1.41	17.9	5.2	1.25	12.4	3.6	1.12	6.6	1.9	.80

HP27-024 - CH33-48C-2F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	30.2	8.9	2.17	22.4	6.6	1.93	14.2	4.2	1.67	9.5	2.8	1.51	4.6	1.3	1.17
800	380	31.1	9.1	1.98	23.3	6.8	1.74	15.1	4.4	1.47	10.4	3.0	1.32	5.5	1.6	.97
1000	470	31.7	9.3	1.87	23.9	7.0	1.63	15.7	4.6	1.36	11.0	3.2	1.21	6.1	1.8	.86

HP27-024 - CH23-51 HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.62	31.3	9.2
60	16	1.59	29.6	8.7
55	13	1.56	28.0	8.2
50	10	1.53	26.4	7.7
47	8	1.51	25.4	7.4
45	7	1.48	24.4	7.2
40	4	1.41	22.0	6.4
35	2	1.34	19.5	5.7
30	-1	1.33	18.5	5.4
25	-4	1.33	17.4	5.1
20	-7	1.32	16.3	4.8
17	-8	1.32	15.6	4.6
15	-9	1.31	14.9	4.4
10	-12	1.28	13.3	3.9
5	-15	1.20	11.9	3.5
0	-18	1.12	10.4	3.0
-5	-21	1.04	9.0	2.6
-10	-23	.95	7.6	2.2
-15	-26	.87	6.1	1.8
-20	-29	.79	4.7	1.4

HP27-024 - CH33-48C-2F HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.98	31.1	9.1
60	16	1.93	29.3	8.6
55	13	1.87	27.6	8.1
50	10	1.82	25.8	7.6
47	8	1.79	24.7	7.2
45	7	1.74	23.3	6.8
40	4	1.61	19.8	5.8
35	2	1.47	16.3	4.8
30	-1	1.47	15.7	4.6
25	-4	1.47	15.1	4.4
20	-7	1.48	14.5	4.2
17	-8	1.48	14.1	4.1
15	-9	1.45	13.4	3.9
10	-12	1.40	11.7	3.4
5	-15	1.32	10.4	3.0
0	-18	1.23	9.2	2.7
-5	-21	1.14	8.0	2.3
-10	-23	1.06	6.7	2.0
-15	-26	.97	5.5	1.6
-20	-29	.89	4.2	1.2

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-024 — CH23-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.3	7.1	1.47	.70	.83	.95	23.4	6.9	1.68	.71	.85	.97	22.5	6.6	1.89	.72	.86	.99	21.5	6.3	2.14	.73	.88	1.00
	800	380	25.9	7.6	1.46	.77	.92	1.00	24.8	7.3	1.67	.78	.94	1.00	23.8	7.0	1.89	.80	.96	1.00	22.8	6.7	2.13	.81	.98	1.00
	1000	470	27.1	7.9	1.45	.83	.99	1.00	26.0	7.6	1.66	.85	1.00	1.00	25.1	7.4	1.88	.87	1.00	1.00	24.1	7.1	2.12	.89	1.00	1.00
67°F (19°C)	600	285	26.3	7.7	1.46	.56	.67	.79	25.2	7.4	1.67	.56	.69	.81	24.2	7.1	1.89	.57	.69	.82	23.1	6.8	2.13	.58	.71	.84
	800	380	27.8	8.1	1.45	.59	.74	.88	26.5	7.8	1.66	.60	.75	.90	25.4	7.4	1.88	.61	.77	.92	24.3	7.1	2.12	.62	.79	.94
	1000	470	28.7	8.4	1.44	.63	.80	.96	27.4	8.0	1.66	.64	.82	.98	26.2	7.7	1.88	.66	.84	1.00	25.0	7.3	2.11	.67	.87	1.00
71°F (22°C)	600	285	28.4	8.3	1.44	.42	.53	.64	27.2	8.0	1.66	.42	.54	.65	26.1	7.6	1.88	.43	.54	.67	24.9	7.3	2.12	.43	.55	.68
	800	380	29.9	8.8	1.44	.43	.57	.71	28.5	8.4	1.66	.44	.58	.73	27.2	8.0	1.88	.44	.59	.74	26.0	7.6	2.12	.45	.60	.77
	1000	470	30.8	9.0	1.43	.45	.61	.78	29.3	8.6	1.66	.45	.63	.80	28.0	8.2	1.88	.46	.64	.82	26.7	7.8	2.12	.46	.66	.84

HP27-030 — CB29M-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.2	8.0	1.61	.74	.89	1.00	26.1	7.6	1.83	.75	.90	1.00	25.1	7.4	2.07	.77	.92	1.00	24.1	7.1	2.33	.78	.94	1.00
	1000	470	28.3	8.3	1.61	.80	.96	1.00	27.2	8.0	1.83	.81	.97	1.00	26.2	7.7	2.07	.83	.99	1.00	25.2	7.4	2.33	.85	1.00	1.00
	1200	565	29.4	8.6	1.61	.85	1.00	1.00	28.3	8.3	1.83	.87	1.00	1.00	27.3	8.0	2.07	.89	1.00	1.00	26.3	7.7	2.33	.91	1.00	1.00
67°F (19°C)	800	380	29.1	8.5	1.61	.58	.71	.85	27.9	8.2	1.83	.58	.73	.87	26.8	7.9	2.07	.59	.74	.89	25.7	7.5	2.33	.60	.76	.91
	1000	470	30.1	8.8	1.61	.61	.77	.93	28.8	8.4	1.84	.62	.79	.95	27.6	8.1	2.08	.63	.81	.96	26.4	7.7	2.33	.64	.83	.98
	1200	565	30.8	9.0	1.61	.64	.83	.98	29.4	8.6	1.84	.66	.85	1.00	28.2	8.3	2.08	.67	.87	1.00	27.0	7.9	2.34	.69	.89	1.00
71°F (22°C)	800	380	31.2	9.1	1.60	.43	.56	.69	29.9	8.8	1.84	.43	.57	.70	28.7	8.4	2.08	.44	.57	.72	27.5	8.1	2.34	.44	.59	.73
	1000	470	32.2	9.4	1.60	.44	.60	.75	30.8	9.0	1.84	.44	.61	.77	29.5	8.6	2.08	.45	.62	.79	28.2	8.3	2.34	.45	.63	.80
	1200	565	32.9	9.6	1.60	.46	.63	.81	31.4	9.2	1.84	.46	.65	.83	30.0	8.8	2.08	.47	.66	.85	28.7	8.4	2.34	.47	.68	.87

HP27-024 - CH23-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	30.9	9.1	1.74	23.9	7.0	1.60	16.7	4.9	1.45	11.1	3.3	1.32	5.4	1.6	1.00
800	380	31.6	9.3	1.61	24.6	7.2	1.47	17.4	5.1	1.31	11.8	3.5	1.18	6.1	1.8	.86
1000	470	32.2	9.4	1.54	25.2	7.4	1.40	18.0	5.3	1.24	12.4	3.6	1.11	6.7	2.0	.79

HP27-030 - CB29M-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	32.6	9.6	2.06	25.8	7.6	1.88	18.9	5.5	1.70	13.3	3.9	1.50	6.6	1.9	1.13
1000	470	33.0	9.7	1.95	26.2	7.7	1.77	19.3	5.7	1.59	13.7	4.0	1.39	7.0	2.1	1.02
1200	565	33.2	9.7	1.88	26.4	7.7	1.70	19.5	5.7	1.52	13.9	4.1	1.32	7.2	2.1	.95

HP27-024 - CH23-65 HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.61	31.6	9.3
60	16	1.58	29.9	8.8
55	13	1.54	28.3	8.3
50	10	1.51	26.6	7.8
47	8	1.49	25.6	7.5
45	7	1.47	24.6	7.2
40	4	1.40	22.1	6.5
35	2	1.32	19.7	5.8
30	-1	1.32	18.5	5.4
25	-4	1.31	17.4	5.1
20	-7	1.31	16.3	4.8
17	-8	1.31	15.6	4.6
15	-9	1.29	14.9	4.4
10	-12	1.26	13.3	3.9
5	-15	1.18	11.8	3.5
0	-18	1.10	10.4	3.0
-5	-21	1.02	9.0	2.6
-10	-23	.94	7.5	2.2
-15	-26	.86	6.1	1.8
-20	-29	.78	4.7	1.4

HP27-030 - CB29M-46 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.95	33.0	9.7
60	16	1.90	31.4	9.2
55	13	1.86	29.8	8.7
50	10	1.82	28.2	8.3
47	8	1.79	27.2	8.0
45	7	1.77	26.2	7.7
40	4	1.71	23.9	7.0
35	2	1.65	21.5	6.3
30	-1	1.62	20.4	6.0
25	-4	1.59	19.3	5.7
20	-7	1.56	18.2	5.3
17	-8	1.54	17.6	5.2
15	-9	1.52	17.0	5.0
10	-12	1.48	15.4	4.5
5	-15	1.39	13.7	4.0
0	-18	1.29	12.0	3.5
-5	-21	1.20	10.3	3.0
-10	-23	1.11	8.6	2.5
-15	-26	1.02	7.0	2.1
-20	-29	.92	5.3	1.6

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-030 — CB30U-31 - CB30M-31 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.4	8.0	1.61	.74	.89	1.00	26.4	7.7	1.83	.76	.90	1.00	25.3	7.4	2.06	.77	.92	1.00	24.3	7.1	2.33	.78	.94	1.00
	1000	470	28.5	8.4	1.61	.80	.96	1.00	27.4	8.0	1.83	.82	.97	1.00	26.4	7.7	2.06	.83	.99	1.00	25.4	7.4	2.32	.85	1.00	1.00
	1200	565	29.6	8.7	1.61	.85	1.00	1.00	28.6	8.4	1.83	.87	1.00	1.00	27.5	8.1	2.07	.89	1.00	1.00	26.5	7.8	2.33	.91	1.00	1.00
67°F (19°C)	800	380	29.3	8.6	1.61	.58	.72	.85	28.1	8.2	1.83	.58	.73	.87	27.0	7.9	2.07	.59	.74	.89	25.9	7.6	2.33	.60	.76	.91
	1000	470	30.3	8.9	1.61	.61	.78	.92	29.0	8.5	1.84	.62	.79	.95	27.8	8.1	2.07	.63	.81	.96	26.6	7.8	2.33	.64	.83	.98
	1200	565	31.0	9.1	1.60	.65	.83	.98	29.7	8.7	1.84	.66	.85	1.00	28.4	8.3	2.08	.67	.87	1.00	27.2	8.0	2.33	.68	.89	1.00
71°F (22°C)	800	380	31.5	9.2	1.60	.43	.56	.69	30.2	8.9	1.83	.43	.57	.70	28.9	8.5	2.08	.44	.58	.72	27.7	8.1	2.33	.44	.58	.73
	1000	470	32.5	9.5	1.60	.44	.59	.75	31.1	9.1	1.84	.44	.60	.77	29.7	8.7	2.08	.45	.62	.79	28.4	8.3	2.34	.45	.63	.80
	1200	565	33.2	9.7	1.60	.45	.63	.81	31.7	9.3	1.84	.46	.65	.83	30.3	8.9	2.08	.47	.66	.85	28.9	8.5	2.34	.47	.67	.87

HP27-030 — CB30U-41/46 - CB30M-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.4	8.0	1.61	.74	.88	1.00	26.3	7.7	1.83	.75	.90	1.00	25.3	7.4	2.06	.77	.92	1.00	24.2	7.1	2.33	.78	.94	1.00
	1000	470	28.5	8.4	1.61	.80	.96	1.00	27.4	8.0	1.83	.82	.97	1.00	26.3	7.7	2.07	.83	.99	1.00	25.3	7.4	2.33	.85	1.00	1.00
	1200	565	29.6	8.7	1.61	.85	1.00	1.00	28.5	8.4	1.83	.87	1.00	1.00	27.5	8.1	2.07	.89	1.00	1.00	26.5	7.8	2.33	.91	1.00	1.00
67°F (19°C)	800	380	29.3	8.6	1.61	.58	.71	.85	28.1	8.2	1.83	.58	.73	.87	27.0	7.9	2.07	.59	.74	.89	25.8	7.6	2.33	.60	.76	.90
	1000	470	30.3	8.9	1.61	.61	.78	.92	29.0	8.5	1.83	.62	.79	.95	27.8	8.1	2.07	.63	.81	.96	26.6	7.8	2.33	.64	.83	.98
	1200	565	31.0	9.1	1.60	.65	.83	.98	29.7	8.7	1.84	.66	.85	1.00	28.4	8.3	2.08	.67	.87	1.00	27.2	8.0	2.33	.69	.89	1.00
71°F (22°C)	800	380	31.5	9.2	1.60	.43	.56	.69	30.2	8.9	1.84	.43	.57	.70	28.9	8.5	2.08	.43	.57	.72	27.6	8.1	2.34	.44	.59	.73
	1000	470	32.5	9.5	1.60	.44	.59	.75	31.1	9.1	1.84	.44	.60	.77	29.7	8.7	2.08	.45	.62	.78	28.4	8.3	2.34	.45	.63	.80
	1200	565	33.2	9.7	1.60	.45	.63	.80	31.7	9.3	1.84	.46	.65	.83	30.3	8.9	2.08	.47	.66	.85	28.9	8.5	2.34	.47	.67	.87

HP27-030 - CB30U-31 - CB30M-31 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	33.2	9.7	2.01	26.2	7.7	1.84	19.0	5.6	1.67	13.2	3.9	1.48	6.5	1.9	1.10
1000	470	33.6	9.8	1.93	26.6	7.8	1.76	19.4	5.7	1.59	13.6	4.0	1.39	6.9	2.0	1.02
1200	565	34.0	10.0	1.87	27.0	7.9	1.70	19.8	5.8	1.53	14.0	4.1	1.33	7.3	2.1	.96

HP27-030 - CB30U-41/46 - CB30M-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	33.2	9.7	2.18	26.2	7.7	1.95	19.0	5.6	1.72	13.2	3.9	1.48	6.5	1.9	1.12
1000	470	33.6	9.8	2.09	26.6	7.8	1.86	19.4	5.7	1.62	13.6	4.0	1.38	6.9	2.0	1.02
1200	565	34.0	10.0	2.02	27.0	7.9	1.79	19.8	5.8	1.56	14.0	4.1	1.32	7.3	2.1	.96

HP27-030 - CB30U-31 - CB30M-31 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.93	33.6	9.8
60	16	1.89	31.9	9.3
55	13	1.85	30.3	8.9
50	10	1.81	28.6	8.4
47	8	1.78	27.6	8.1
45	7	1.76	26.6	7.8
40	4	1.70	24.2	7.1
35	2	1.64	21.7	6.4
30	-1	1.62	20.6	6.0
25	-4	1.59	19.4	5.7
20	-7	1.56	18.3	5.4
17	-8	1.54	17.6	5.2
15	-9	1.53	16.9	5.0
10	-12	1.49	15.3	4.5
5	-15	1.39	13.6	4.0
0	-18	1.30	11.9	3.5
-5	-21	1.21	10.3	3.0
-10	-23	1.11	8.6	2.5
-15	-26	1.02	6.9	2.0
-20	-29	.93	5.3	1.6

HP27-030 - CB30U-41/46 - CB30M-41 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.09	33.6	9.8
60	16	2.03	31.9	9.3
55	13	1.98	30.3	8.9
50	10	1.92	28.6	8.4
47	8	1.89	27.6	8.1
45	7	1.86	26.6	7.8
40	4	1.78	24.2	7.1
35	2	1.71	21.7	6.4
30	-1	1.67	20.6	6.0
25	-4	1.62	19.4	5.7
20	-7	1.58	18.3	5.4
17	-8	1.55	17.6	5.2
15	-9	1.53	16.9	5.0
10	-12	1.47	15.3	4.5
5	-15	1.38	13.6	4.0
0	-18	1.29	11.9	3.5
-5	-21	1.20	10.3	3.0
-10	-23	1.11	8.6	2.5
-15	-26	1.02	6.9	2.0
-20	-29	.93	5.3	1.6

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-030 — CB31MV-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.4	8.0	1.61	.74	.88	1.00	26.3	7.7	1.83	.75	.90	1.00	25.3	7.4	2.06	.77	.92	1.00	24.2	7.1	2.33	.78	.94	1.00
	1000	470	28.5	8.4	1.61	.80	.96	1.00	27.4	8.0	1.83	.82	.97	1.00	26.3	7.7	2.07	.83	.99	1.00	25.3	7.4	2.33	.85	1.00	1.00
	1200	565	29.6	8.7	1.61	.85	1.00	1.00	28.5	8.4	1.83	.87	1.00	1.00	27.5	8.1	2.07	.89	1.00	1.00	26.5	7.8	2.33	.91	1.00	1.00
67°F (19°C)	800	380	29.3	8.6	1.61	.58	.71	.85	28.1	8.2	1.83	.58	.73	.87	27.0	7.9	2.07	.59	.74	.89	25.8	7.6	2.33	.60	.76	.90
	1000	470	30.3	8.9	1.61	.61	.78	.92	29.0	8.5	1.83	.62	.79	.95	27.8	8.1	2.07	.63	.81	.96	26.6	7.8	2.33	.64	.83	.98
	1200	565	31.0	9.1	1.60	.65	.83	.98	29.7	8.7	1.84	.66	.85	1.00	28.4	8.3	2.08	.67	.87	1.00	27.2	8.0	2.33	.69	.89	1.00
71°F (22°C)	800	380	31.5	9.2	1.60	.43	.56	.69	30.2	8.9	1.84	.43	.57	.70	28.9	8.5	2.08	.43	.57	.72	27.6	8.1	2.34	.44	.59	.73
	1000	470	32.5	9.5	1.60	.44	.59	.75	31.1	9.1	1.84	.44	.60	.77	29.7	8.7	2.08	.45	.62	.78	28.4	8.3	2.34	.45	.63	.80
	1200	565	33.2	9.7	1.60	.45	.63	.80	31.7	9.3	1.84	.46	.65	.83	30.3	8.9	2.08	.47	.66	.85	28.9	8.5	2.34	.47	.67	.87

HP27-030 — CVP10-31/EC10Q3 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.0	7.6	1.61	.74	.88	1.00	25.1	7.4	1.83	.76	.90	1.00	24.1	7.1	2.07	.77	.92	1.00	23.1	6.8	2.33	.78	.94	1.00
	1000	470	27.1	7.9	1.61	.80	.96	1.00	26.1	7.6	1.83	.81	.97	1.00	25.1	7.4	2.06	.83	.98	1.00	24.2	7.1	2.32	.85	1.00	1.00
	1200	565	28.1	8.2	1.61	.85	1.00	1.00	27.2	8.0	1.83	.87	1.00	1.00	26.2	7.7	2.07	.89	1.00	1.00	25.2	7.4	2.33	.91	1.00	1.00
67°F (19°C)	800	380	27.8	8.1	1.61	.58	.72	.85	26.7	7.8	1.83	.58	.73	.87	25.7	7.5	2.07	.59	.74	.88	24.6	7.2	2.32	.60	.76	.90
	1000	470	28.7	8.4	1.61	.61	.77	.92	27.6	8.1	1.83	.62	.79	.94	26.5	7.8	2.07	.63	.81	.96	25.4	7.4	2.33	.64	.82	.98
	1200	565	29.5	8.6	1.61	.64	.83	.98	28.2	8.3	1.83	.66	.85	.99	27.1	7.9	2.07	.67	.87	1.00	25.9	7.6	2.33	.68	.89	1.00
71°F (22°C)	800	380	29.9	8.8	1.60	.43	.56	.69	28.6	8.4	1.83	.43	.57	.70	27.5	8.1	2.08	.43	.57	.72	26.4	7.7	2.33	.44	.58	.73
	1000	470	30.8	9.0	1.60	.44	.59	.75	29.5	8.6	1.83	.44	.61	.77	28.3	8.3	2.08	.45	.61	.78	27.1	7.9	2.33	.45	.63	.80
	1200	565	31.5	9.2	1.60	.45	.63	.81	30.1	8.8	1.84	.46	.64	.82	28.8	8.4	2.08	.47	.66	.85	27.6	8.1	2.34	.47	.67	.87

HP27-030 - CB31MV-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	31.6	9.3	2.05	25.1	7.4	1.85	18.3	5.4	1.65	12.8	3.8	1.43	6.3	1.8	1.08
1000	470	32.0	9.4	1.95	25.5	7.5	1.75	18.7	5.5	1.55	13.2	3.9	1.34	6.7	2.0	.98
1200	565	32.4	9.5	1.89	25.9	7.6	1.69	19.1	5.6	1.49	13.6	4.0	1.27	7.1	2.1	.92

HP27-030 - CVP10-31/EC10Q3 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	32.6	9.6	1.97	25.8	7.6	1.83	18.9	5.5	1.69	13.3	3.9	1.52	6.4	1.9	1.14
1000	470	33.2	9.7	1.86	26.4	7.7	1.72	19.5	5.7	1.58	13.9	4.1	1.41	7.0	2.1	1.03
1200	565	33.6	9.8	1.79	26.8	7.9	1.65	19.9	5.8	1.51	14.3	4.2	1.34	7.4	2.2	.96

HP27-030 - CB31MV-41 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.95	32.0	9.4
60	16	1.90	30.5	8.9
55	13	1.86	28.9	8.5
50	10	1.81	27.3	8.0
47	8	1.78	26.4	7.7
45	7	1.75	25.5	7.5
40	4	1.69	23.2	6.8
35	2	1.62	20.8	6.1
30	-1	1.59	19.8	5.8
25	-4	1.55	18.7	5.5
20	-7	1.51	17.6	5.2
17	-8	1.49	17.0	5.0
15	-9	1.47	16.4	4.8
10	-12	1.43	14.8	4.3
5	-15	1.34	13.2	3.9
0	-18	1.25	11.6	3.4
-5	-21	1.16	10.0	2.9
-10	-23	1.07	8.3	2.4
-15	-26	.98	6.7	2.0
-20	-29	.90	5.1	1.5

HP27-030 - CVP10-31/EC10Q3 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.86	33.2	9.7
60	16	1.82	31.6	9.3
55	13	1.79	30.0	8.8
50	10	1.76	28.4	8.3
47	8	1.74	27.4	8.0
45	7	1.72	26.4	7.7
40	4	1.67	24.1	7.1
35	2	1.62	21.7	6.4
30	-1	1.60	20.6	6.0
25	-4	1.58	19.5	5.7
20	-7	1.56	18.4	5.4
17	-8	1.55	17.8	5.2
15	-9	1.54	17.2	5.0
10	-12	1.51	15.6	4.6
5	-15	1.41	13.9	4.1
0	-18	1.31	12.2	3.6
-5	-21	1.22	10.5	3.1
-10	-23	1.12	8.7	2.5
-15	-26	1.03	7.0	2.1
-20	-29	.93	5.3	1.6

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-030 — CVP10-41/EC10Q3 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.61	.74	.88	1.00	25.4	7.4	1.83	.75	.90	1.00	24.4	7.2	2.06	.77	.92	1.00	23.4	6.9	2.33	.78	.94	1.00
	1000	470	27.5	8.1	1.61	.79	.95	1.00	26.5	7.8	1.83	.81	.97	1.00	25.4	7.4	2.06	.83	.99	1.00	24.5	7.2	2.32	.85	1.00	1.00
	1200	565	28.6	8.4	1.61	.85	1.00	1.00	27.6	8.1	1.83	.87	1.00	1.00	26.6	7.8	2.07	.89	1.00	1.00	25.6	7.5	2.33	.91	1.00	1.00
67°F (19°C)	800	380	28.3	8.3	1.61	.58	.71	.85	27.1	7.9	1.83	.58	.73	.86	26.0	7.6	2.07	.59	.74	.88	24.9	7.3	2.33	.60	.76	.90
	1000	470	29.3	8.6	1.61	.61	.77	.92	28.0	8.2	1.84	.62	.79	.94	26.9	7.9	2.07	.63	.80	.96	25.7	7.5	2.33	.64	.82	.98
	1200	565	30.0	8.8	1.60	.64	.83	.98	28.7	8.4	1.84	.65	.85	.99	27.5	8.1	2.08	.67	.87	1.00	26.3	7.7	2.33	.68	.89	1.00
71°F (22°C)	800	380	30.4	8.9	1.60	.43	.56	.68	29.1	8.5	1.83	.43	.56	.70	27.9	8.2	2.08	.43	.57	.71	26.7	7.8	2.33	.44	.58	.73
	1000	470	31.4	9.2	1.60	.44	.59	.75	30.0	8.8	1.84	.44	.60	.76	28.7	8.4	2.08	.45	.62	.78	27.5	8.1	2.34	.45	.63	.80
	1200	565	32.1	9.4	1.60	.45	.63	.80	30.6	9.0	1.84	.46	.64	.82	29.3	8.6	2.08	.46	.66	.84	28.0	8.2	2.34	.47	.67	.87

HP27-030 — CVP10-46/EC10Q4 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.61	.74	.88	1.00	25.4	7.4	1.83	.75	.90	1.00	24.4	7.2	2.06	.77	.92	1.00	23.4	6.9	2.33	.78	.94	1.00
	1000	470	27.5	8.1	1.61	.79	.95	1.00	26.5	7.8	1.83	.81	.97	1.00	25.4	7.4	2.06	.83	.99	1.00	24.5	7.2	2.32	.85	1.00	1.00
	1200	565	28.6	8.4	1.61	.85	1.00	1.00	27.6	8.1	1.83	.87	1.00	1.00	26.6	7.8	2.07	.89	1.00	1.00	25.6	7.5	2.33	.91	1.00	1.00
67°F (19°C)	800	380	28.3	8.3	1.61	.58	.71	.85	27.1	7.9	1.83	.58	.73	.86	26.0	7.6	2.07	.59	.74	.88	24.9	7.3	2.33	.60	.76	.90
	1000	470	29.3	8.6	1.61	.61	.77	.92	28.0	8.2	1.84	.62	.79	.94	26.9	7.9	2.07	.63	.80	.96	25.7	7.5	2.33	.64	.82	.98
	1200	565	30.0	8.8	1.60	.64	.83	.98	28.7	8.4	1.84	.65	.85	.99	27.5	8.1	2.08	.67	.87	1.00	26.3	7.7	2.33	.68	.89	1.00
71°F (22°C)	800	380	30.4	8.9	1.60	.43	.56	.68	29.1	8.5	1.83	.43	.56	.70	27.9	8.2	2.08	.43	.57	.71	26.7	7.8	2.33	.44	.58	.73
	1000	470	31.4	9.2	1.60	.44	.59	.75	30.0	8.8	1.84	.44	.60	.76	28.7	8.4	2.08	.45	.62	.78	27.5	8.1	2.34	.45	.63	.80
	1200	565	32.1	9.4	1.60	.45	.63	.80	30.6	9.0	1.84	.46	.64	.82	29.3	8.6	2.08	.46	.66	.84	28.0	8.2	2.34	.47	.67	.87

HP27-030 - CVP10-41/EC10Q3 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	32.7	9.6	1.91	25.9	7.6	1.77	19.0	5.6	1.61	13.4	3.9	1.50	6.5	1.9	1.12
1000	470	33.2	9.7	1.80	26.4	7.7	1.66	19.5	5.7	1.50	13.9	4.1	1.40	7.0	2.1	1.02
1200	565	33.6	9.8	1.74	26.8	7.9	1.60	19.9	5.8	1.44	14.3	4.2	1.33	7.4	2.2	.95

HP27-030 - CVP10-46/EC10Q4 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	32.7	9.6	1.91	25.9	7.6	1.77	19.0	5.6	1.61	13.4	3.9	1.50	6.5	1.9	1.12
1000	470	33.2	9.7	1.80	26.4	7.7	1.66	19.5	5.7	1.50	13.9	4.1	1.40	7.0	2.1	1.02
1200	565	33.6	9.8	1.74	26.8	7.9	1.60	19.9	5.8	1.44	14.3	4.2	1.33	7.4	2.2	.95

HP27-030 - CVP10-41/EC10Q3 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.80	33.2	9.7
60	16	1.78	31.6	9.3
55	13	1.75	30.0	8.8
50	10	1.72	28.4	8.3
47	8	1.70	27.4	8.0
45	7	1.66	26.4	7.7
40	4	1.56	24.1	7.1
35	2	1.46	21.7	6.4
30	-1	1.48	20.6	6.0
25	-4	1.50	19.5	5.7
20	-7	1.52	18.4	5.4
17	-8	1.53	17.8	5.2
15	-9	1.52	17.2	5.0
10	-12	1.49	15.6	4.6
5	-15	1.40	13.9	4.1
0	-18	1.30	12.2	3.6
-5	-21	1.21	10.5	3.1
-10	-23	1.11	8.7	2.5
-15	-26	1.02	7.0	2.1
-20	-29	.92	5.3	1.6

HP27-030 - CVP10-46/EC10Q4 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.80	33.2	9.7
60	16	1.78	31.6	9.3
55	13	1.75	30.0	8.8
50	10	1.72	28.4	8.3
47	8	1.70	27.4	8.0
45	7	1.66	26.4	7.7
40	4	1.56	24.1	7.1
35	2	1.46	21.7	6.4
30	-1	1.48	20.6	6.0
25	-4	1.50	19.5	5.7
20	-7	1.52	18.4	5.4
17	-8	1.53	17.8	5.2
15	-9	1.52	17.2	5.0
10	-12	1.49	15.6	4.6
5	-15	1.40	13.9	4.1
0	-18	1.30	12.2	3.6
-5	-21	1.21	10.5	3.1
-10	-23	1.11	8.7	2.5
-15	-26	1.02	7.0	2.1
-20	-29	.92	5.3	1.6

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-030 — C26-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.2	8.0	1.61	.74	.89	1.00	26.2	7.7	1.83	.76	.90	1.00	25.1	7.4	2.06	.77	.92	1.00	24.1	7.1	2.33	.79	.94	1.00
	1000	470	28.3	8.3	1.61	.80	.96	1.00	27.2	8.0	1.83	.81	.97	1.00	26.2	7.7	2.06	.83	.99	1.00	25.2	7.4	2.32	.85	1.00	1.00
	1200	565	29.4	8.6	1.61	.86	1.00	1.00	28.4	8.3	1.83	.87	1.00	1.00	27.3	8.0	2.07	.89	1.00	1.00	26.3	7.7	2.33	.91	1.00	1.00
67°F (19°C)	800	380	29.1	8.5	1.61	.58	.71	.85	27.9	8.2	1.83	.58	.73	.87	26.8	7.9	2.07	.59	.74	.89	25.7	7.5	2.33	.60	.76	.91
	1000	470	30.1	8.8	1.61	.61	.77	.92	28.8	8.4	1.84	.62	.79	.95	27.6	8.1	2.07	.63	.81	.96	26.4	7.7	2.33	.64	.83	.98
	1200	565	30.8	9.0	1.60	.64	.83	.98	29.5	8.6	1.84	.66	.85	1.00	28.2	8.3	2.08	.67	.87	1.00	27.0	7.9	2.33	.68	.89	1.00
71°F (22°C)	800	380	31.3	9.2	1.60	.43	.56	.69	30.0	8.8	1.83	.43	.57	.70	28.7	8.4	2.08	.44	.57	.72	27.5	8.1	2.33	.44	.59	.73
	1000	470	32.3	9.5	1.60	.44	.59	.75	30.8	9.0	1.84	.44	.61	.77	29.5	8.6	2.08	.45	.62	.78	28.2	8.3	2.34	.45	.63	.80
	1200	565	32.9	9.6	1.60	.46	.63	.81	31.5	9.2	1.84	.46	.64	.83	30.1	8.8	2.08	.47	.66	.85	28.7	8.4	2.34	.47	.68	.87

HP27-030 — C26-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.1	7.9	1.61	.74	.89	1.00	26.1	7.6	1.83	.76	.90	1.00	25.0	7.3	2.06	.77	.92	1.00	24.0	7.0	2.32	.79	.94	1.00
	1000	470	28.3	8.3	1.61	.80	.96	1.00	27.2	8.0	1.83	.82	.98	1.00	26.1	7.6	2.07	.84	1.00	1.00	25.2	7.4	2.33	.85	1.00	1.00
	1200	565	29.5	8.6	1.61	.86	1.00	1.00	28.4	8.3	1.83	.88	1.00	1.00	27.4	8.0	2.07	.90	1.00	1.00	26.3	7.7	2.33	.92	1.00	1.00
67°F (19°C)	800	380	29.1	8.5	1.61	.58	.71	.85	27.9	8.2	1.83	.58	.73	.87	26.7	7.8	2.07	.59	.75	.89	25.5	7.5	2.33	.60	.76	.91
	1000	470	30.1	8.8	1.60	.61	.78	.93	28.8	8.4	1.84	.62	.80	.95	27.5	8.1	2.08	.63	.81	.97	26.3	7.7	2.33	.64	.83	.99
	1200	565	30.8	9.0	1.60	.65	.84	.99	29.5	8.6	1.84	.66	.85	1.00	28.2	8.3	2.08	.68	.88	1.00	26.9	7.9	2.34	.69	.90	1.00
71°F (22°C)	800	380	31.2	9.1	1.60	.43	.56	.69	29.9	8.8	1.84	.43	.57	.70	28.6	8.4	2.08	.43	.58	.72	27.4	8.0	2.34	.44	.58	.73
	1000	470	32.2	9.4	1.60	.44	.60	.75	30.8	9.0	1.84	.44	.61	.77	29.4	8.6	2.08	.45	.62	.79	28.1	8.2	2.34	.46	.63	.81
	1200	565	32.9	9.6	1.60	.46	.64	.81	31.4	9.2	1.84	.46	.65	.83	30.0	8.8	2.08	.47	.67	.85	28.6	8.4	2.34	.48	.68	.88

HP27-030 - C26-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	32.4	9.5	2.21	25.9	7.6	2.03	19.1	5.6	1.84	13.5	4.0	1.63	6.7	2.0	1.21
1000	470	32.8	9.6	2.13	26.3	7.7	1.95	19.5	5.7	1.76	13.9	4.1	1.54	7.1	2.1	1.13
1200	565	33.2	9.7	2.07	26.7	7.8	1.89	19.9	5.8	1.70	14.3	4.2	1.48	7.5	2.2	1.07

HP27-030 - C26-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	32.3	9.5	2.15	25.8	7.6	1.95	19.0	5.6	1.74	13.4	3.9	1.53	6.6	1.9	1.15
1000	470	32.8	9.6	2.03	26.3	7.7	1.83	19.5	5.7	1.62	13.9	4.1	1.41	7.1	2.1	1.03
1200	565	33.3	9.8	1.96	26.8	7.9	1.76	20.0	5.9	1.55	14.4	4.2	1.34	7.6	2.2	.96

HP27-030 - C26-41 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.13	32.8	9.6
60	16	2.08	31.3	9.2
55	13	2.04	29.7	8.7
50	10	2.00	28.1	8.2
47	8	1.97	27.2	8.0
45	7	1.95	26.3	7.7
40	4	1.88	23.9	7.0
35	2	1.82	21.6	6.3
30	-1	1.79	20.5	6.0
25	-4	1.76	19.5	5.7
20	-7	1.73	18.4	5.4
17	-8	1.71	17.8	5.2
15	-9	1.69	17.2	5.0
10	-12	1.65	15.6	4.6
5	-15	1.54	13.9	4.1
0	-18	1.44	12.2	3.6
-5	-21	1.34	10.5	3.1
-10	-23	1.23	8.8	2.6
-15	-26	1.13	7.1	2.1
-20	-29	1.03	5.3	1.6

HP27-030 - C26-46 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.03	32.8	9.6
60	16	1.98	31.3	9.2
55	13	1.93	29.7	8.7
50	10	1.88	28.1	8.2
47	8	1.86	27.2	8.0
45	7	1.83	26.3	7.7
40	4	1.76	23.9	7.0
35	2	1.69	21.6	6.3
30	-1	1.66	20.5	6.0
25	-4	1.62	19.5	5.7
20	-7	1.59	18.4	5.4
17	-8	1.57	17.8	5.2
15	-9	1.55	17.2	5.0
10	-12	1.50	15.6	4.6
5	-15	1.41	13.9	4.1
0	-18	1.31	12.2	3.6
-5	-21	1.22	10.5	3.1
-10	-23	1.13	8.8	2.6
-15	-26	1.03	7.1	2.1
-20	-29	.94	5.3	1.6

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-030 — C33-38A/B COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.61	.74	.89	1.00	25.4	7.4	1.83	.76	.91	1.00	24.4	7.2	2.06	.77	.92	1.00	23.3	6.8	2.33	.79	.94	1.00
	1000	470	27.5	8.1	1.61	.80	.96	1.00	26.4	7.7	1.83	.82	.98	1.00	25.3	7.4	2.07	.83	.99	1.00	24.3	7.1	2.33	.85	1.00	1.00
	1200	565	28.5	8.4	1.61	.85	1.00	1.00	27.4	8.0	1.83	.87	1.00	1.00	26.4	7.7	2.07	.89	1.00	1.00	25.4	7.4	2.33	.91	1.00	1.00
67°F (19°C)	800	380	28.3	8.3	1.61	.58	.72	.85	27.1	7.9	1.83	.59	.73	.87	26.0	7.6	2.07	.59	.75	.89	24.8	7.3	2.33	.61	.76	.91
	1000	470	29.3	8.6	1.61	.61	.77	.92	28.0	8.2	1.84	.62	.79	.95	26.8	7.9	2.08	.64	.81	.97	25.5	7.5	2.33	.65	.83	.99
	1200	565	29.9	8.8	1.61	.65	.83	.98	28.6	8.4	1.84	.66	.85	1.00	27.3	8.0	2.08	.67	.87	1.00	26.1	7.6	2.34	.68	.89	1.00
71°F (22°C)	800	380	30.4	8.9	1.60	.43	.56	.69	29.1	8.5	1.84	.43	.57	.70	27.8	8.1	2.08	.44	.58	.72	26.6	7.8	2.34	.44	.59	.74
	1000	470	31.4	9.2	1.60	.44	.60	.75	29.9	8.8	1.84	.45	.61	.76	28.6	8.4	2.08	.45	.62	.79	27.3	8.0	2.34	.46	.63	.81
	1200	565	32.0	9.4	1.60	.46	.63	.81	30.5	8.9	1.84	.46	.65	.83	29.1	8.5	2.08	.47	.66	.85	27.8	8.1	2.34	.47	.68	.87

HP27-030 — C33-48B/C COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.61	.74	.89	1.00	25.4	7.4	1.83	.76	.91	1.00	24.4	7.2	2.06	.77	.92	1.00	23.3	6.8	2.33	.79	.94	1.00
	1000	470	27.5	8.1	1.61	.80	.96	1.00	26.4	7.7	1.83	.82	.98	1.00	25.3	7.4	2.07	.83	.99	1.00	24.3	7.1	2.33	.85	1.00	1.00
	1200	565	28.5	8.4	1.61	.85	1.00	1.00	27.4	8.0	1.83	.87	1.00	1.00	26.4	7.7	2.07	.89	1.00	1.00	25.4	7.4	2.33	.91	1.00	1.00
67°F (19°C)	800	380	28.3	8.3	1.61	.58	.72	.85	27.1	7.9	1.83	.59	.73	.87	26.0	7.6	2.07	.59	.75	.89	24.8	7.3	2.33	.61	.76	.91
	1000	470	29.3	8.6	1.61	.61	.77	.92	28.0	8.2	1.84	.62	.79	.95	26.8	7.9	2.08	.64	.81	.97	25.5	7.5	2.33	.65	.83	.99
	1200	565	29.9	8.8	1.61	.65	.83	.98	28.6	8.4	1.84	.66	.85	1.00	27.3	8.0	2.08	.67	.87	1.00	26.1	7.6	2.34	.68	.89	1.00
71°F (22°C)	800	380	30.4	8.9	1.60	.43	.56	.69	29.1	8.5	1.84	.43	.57	.70	27.8	8.1	2.08	.44	.58	.72	26.6	7.8	2.34	.44	.59	.74
	1000	470	31.4	9.2	1.60	.44	.60	.75	29.9	8.8	1.84	.45	.61	.76	28.6	8.4	2.08	.45	.62	.79	27.3	8.0	2.34	.46	.63	.81
	1200	565	32.0	9.4	1.60	.46	.63	.81	30.5	8.9	1.84	.46	.65	.83	29.1	8.5	2.08	.47	.66	.85	27.8	8.1	2.34	.47	.68	.87

HP27-030 - C33-38A/B HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	31.4	9.2	2.36	24.9	7.3	2.08	18.1	5.3	1.76	13.2	3.9	1.62	6.4	1.9	1.24
1000	470	32.0	9.4	2.21	25.5	7.5	1.93	18.7	5.5	1.61	13.8	4.0	1.47	7.0	2.1	1.09
1200	565	32.5	9.5	2.13	26.0	7.6	1.85	19.2	5.6	1.53	14.3	4.2	1.39	7.5	2.2	1.01

HP27-030 - C33-48B/C HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	31.3	9.2	2.36	24.9	7.3	2.08	18.1	5.3	1.76	13.2	3.9	1.62	6.4	1.9	1.24
1000	470	31.9	9.3	2.21	25.5	7.5	1.93	18.7	5.5	1.62	13.8	4.0	1.48	7.0	2.1	1.09
1200	565	32.4	9.5	2.13	26.0	7.6	1.85	19.2	5.6	1.53	14.3	4.2	1.39	7.5	2.2	1.01

HP27-030 - C33-38A/B HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.21	32.0	9.4
60	16	2.15	30.5	8.9
55	13	2.10	29.0	8.5
50	10	2.04	27.5	8.1
47	8	2.00	26.6	7.8
45	7	1.93	25.5	7.5
40	4	1.74	22.8	6.7
35	2	1.56	20.0	5.9
30	-1	1.58	19.4	5.7
25	-4	1.61	18.7	5.5
20	-7	1.64	18.0	5.3
17	-8	1.65	17.6	5.2
15	-9	1.63	17.0	5.0
10	-12	1.57	15.5	4.5
5	-15	1.47	13.8	4.0
0	-18	1.38	12.1	3.5
-5	-21	1.28	10.4	3.0
-10	-23	1.18	8.7	2.5
-15	-26	1.09	7.0	2.1
-20	-29	.99	5.3	1.6

HP27-030 - C33-48B/C HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.21	31.9	9.3
60	16	2.15	30.5	8.9
55	13	2.10	29.0	8.5
50	10	2.04	27.5	8.1
47	8	2.00	26.6	7.8
45	7	1.93	25.5	7.5
40	4	1.75	22.7	6.7
35	2	1.57	20.0	5.9
30	-1	1.59	19.3	5.7
25	-4	1.62	18.7	5.5
20	-7	1.64	18.0	5.3
17	-8	1.65	17.6	5.2
15	-9	1.63	17.0	5.0
10	-12	1.57	15.5	4.5
5	-15	1.48	13.8	4.0
0	-18	1.38	12.1	3.5
-5	-21	1.28	10.4	3.0
-10	-23	1.19	8.7	2.5
-15	-26	1.09	7.0	2.1
-20	-29	.99	5.3	1.6

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-030 — C26-51/65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.3	8.0	1.61	.74	.89	1.00	26.2	7.7	1.83	.75	.90	1.00	25.1	7.4	2.07	.77	.92	1.00	24.1	7.1	2.33	.79	.94	1.00
	1000	470	28.5	8.4	1.61	.80	.96	1.00	27.4	8.0	1.83	.82	.98	1.00	26.3	7.7	2.07	.83	1.00	1.00	25.3	7.4	2.33	.85	1.00	1.00
	1200	565	29.7	8.7	1.61	.86	1.00	1.00	28.6	8.4	1.83	.88	1.00	1.00	27.6	8.1	2.07	.90	1.00	1.00	26.5	7.8	2.33	.92	1.00	1.00
67°F (19°C)	800	380	29.3	8.6	1.61	.58	.71	.85	28.1	8.2	1.84	.58	.73	.87	26.9	7.9	2.07	.59	.74	.89	25.7	7.5	2.33	.60	.76	.91
	1000	470	30.4	8.9	1.60	.61	.77	.93	29.0	8.5	1.84	.62	.79	.95	27.8	8.1	2.08	.63	.81	.97	26.5	7.8	2.34	.65	.83	.99
	1200	565	31.2	9.1	1.60	.65	.83	.99	29.8	8.7	1.84	.66	.86	1.00	28.4	8.3	2.08	.67	.88	1.00	27.2	8.0	2.34	.69	.90	1.00
71°F (22°C)	800	380	31.5	9.2	1.60	.43	.56	.68	30.2	8.9	1.84	.43	.57	.70	28.9	8.5	2.08	.43	.57	.72	27.6	8.1	2.34	.44	.58	.73
	1000	470	32.6	9.6	1.60	.44	.60	.75	31.1	9.1	1.84	.45	.61	.77	29.7	8.7	2.08	.45	.62	.79	28.4	8.3	2.34	.45	.63	.81
	1200	565	33.4	9.8	1.59	.46	.63	.81	31.8	9.3	1.84	.46	.65	.83	30.3	8.9	2.09	.47	.66	.85	28.9	8.5	2.35	.47	.68	.88

HP27-030 — C33-50/60C COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.8	7.9	1.61	.75	.89	1.00	25.7	7.5	1.83	.76	.91	1.00	24.6	7.2	2.07	.77	.93	1.00	23.6	6.9	2.33	.79	.95	1.00
	1000	470	27.9	8.2	1.61	.80	.96	1.00	26.7	7.8	1.84	.82	.98	1.00	25.7	7.5	2.07	.83	.99	1.00	24.6	7.2	2.33	.85	1.00	1.00
	1200	565	28.9	8.5	1.61	.85	1.00	1.00	27.8	8.1	1.84	.88	1.00	1.00	26.8	7.9	2.07	.90	1.00	1.00	25.7	7.5	2.33	.92	1.00	1.00
67°F (19°C)	800	380	28.7	8.4	1.61	.58	.72	.85	27.5	8.1	1.84	.59	.73	.87	26.3	7.7	2.08	.60	.75	.89	25.1	7.4	2.33	.60	.76	.91
	1000	470	29.7	8.7	1.61	.61	.78	.93	28.4	8.3	1.84	.62	.79	.95	27.1	7.9	2.08	.63	.81	.97	25.9	7.6	2.34	.65	.83	.99
	1200	565	30.4	8.9	1.60	.64	.83	.99	29.0	8.5	1.84	.66	.85	1.00	27.7	8.1	2.08	.67	.88	1.00	26.5	7.8	2.34	.69	.90	1.00
71°F (22°C)	800	380	30.9	9.1	1.60	.43	.56	.69	29.5	8.6	1.84	.43	.57	.71	28.2	8.3	2.08	.44	.58	.72	26.9	7.9	2.34	.44	.59	.74
	1000	470	31.9	9.3	1.60	.44	.60	.75	30.4	8.9	1.84	.45	.61	.77	29.0	8.5	2.08	.45	.62	.78	27.7	8.1	2.34	.46	.63	.81
	1200	565	32.6	9.6	1.59	.46	.63	.81	31.0	9.1	1.84	.46	.65	.83	29.6	8.7	2.09	.47	.66	.85	28.2	8.3	2.35	.47	.68	.87

HP27-030 - C26-51/65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	32.0	9.4	2.13	25.6	7.5	1.94	18.9	5.5	1.74	13.4	3.9	1.53	6.6	1.9	1.15
1000	470	32.5	9.5	2.00	26.1	7.6	1.81	19.4	5.7	1.61	13.9	4.1	1.40	7.1	2.1	1.03
1200	565	33.0	9.7	1.94	26.6	7.8	1.75	19.9	5.8	1.55	14.4	4.2	1.34	7.6	2.2	.96

HP27-030 - C33-50/60C HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	31.4	9.2	2.35	24.9	7.3	2.07	18.1	5.3	1.76	13.2	3.9	1.63	6.4	1.9	1.24
1000	470	32.0	9.4	2.21	25.5	7.5	1.93	18.7	5.5	1.62	13.8	4.0	1.49	7.0	2.1	1.10
1200	565	32.5	9.5	2.12	26.0	7.6	1.84	19.2	5.6	1.53	14.3	4.2	1.40	7.5	2.2	1.01

HP27-030 - C26-51/65 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.00	32.5	9.5
60	16	1.96	31.0	9.1
55	13	1.91	29.5	8.6
50	10	1.87	27.9	8.2
47	8	1.84	27.0	7.9
45	7	1.81	26.1	7.6
40	4	1.75	23.8	7.0
35	2	1.68	21.5	6.3
30	-1	1.65	20.4	6.0
25	-4	1.61	19.4	5.7
20	-7	1.58	18.4	5.4
17	-8	1.56	17.8	5.2
15	-9	1.54	17.2	5.0
10	-12	1.49	15.7	4.6
5	-15	1.40	13.9	4.1
0	-18	1.31	12.2	3.6
-5	-21	1.22	10.5	3.1
-10	-23	1.12	8.8	2.6
-15	-26	1.03	7.1	2.1
-20	-29	.94	5.3	1.6

HP27-030 - C33-50/60C HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.21	32.0	9.4
60	16	2.15	30.5	8.9
55	13	2.10	29.0	8.5
50	10	2.04	27.5	8.1
47	8	2.01	26.6	7.8
45	7	1.93	25.5	7.5
40	4	1.75	22.7	6.7
35	2	1.57	20.0	5.9
30	-1	1.60	19.3	5.7
25	-4	1.62	18.7	5.5
20	-7	1.65	18.0	5.3
17	-8	1.66	17.6	5.2
15	-9	1.64	17.0	5.0
10	-12	1.58	15.5	4.5
5	-15	1.49	13.8	4.0
0	-18	1.39	12.1	3.5
-5	-21	1.29	10.4	3.0
-10	-23	1.19	8.7	2.5
-15	-26	1.10	7.0	2.1
-20	-29	1.00	5.3	1.6

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-030 — CR26-48N/W-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.3	8.0	1.61	.74	.88	1.00	26.2	7.7	1.83	.75	.90	1.00	25.2	7.4	2.06	.76	.91	1.00	24.1	7.1	2.33	.78	.93	1.00
	1000	470	28.4	8.3	1.61	.79	.95	1.00	27.3	8.0	1.83	.81	.97	1.00	26.2	7.7	2.07	.82	.98	1.00	25.2	7.4	2.33	.84	1.00	1.00
	1200	565	29.4	8.6	1.61	.84	1.00	1.00	28.3	8.3	1.83	.86	1.00	1.00	27.3	8.0	2.07	.88	1.00	1.00	26.3	7.7	2.33	.90	1.00	1.00
67°F (19°C)	800	380	29.3	8.6	1.61	.57	.71	.84	28.1	8.2	1.83	.58	.72	.86	26.9	7.9	2.07	.59	.74	.88	25.8	7.6	2.33	.60	.75	.90
	1000	470	30.3	8.9	1.61	.60	.76	.91	29.0	8.5	1.83	.61	.78	.93	27.8	8.1	2.07	.62	.80	.96	26.6	7.8	2.33	.64	.82	.97
	1200	565	31.0	9.1	1.60	.64	.82	.97	29.6	8.7	1.84	.65	.84	.99	28.4	8.3	2.08	.66	.86	1.00	27.1	7.9	2.33	.68	.88	1.00
71°F (22°C)	800	380	31.4	9.2	1.60	.43	.55	.68	30.2	8.9	1.84	.43	.56	.69	28.9	8.5	2.08	.43	.57	.71	27.7	8.1	2.33	.43	.58	.72
	1000	470	32.5	9.5	1.60	.44	.59	.74	31.1	9.1	1.84	.44	.60	.76	29.7	8.7	2.08	.45	.61	.77	28.4	8.3	2.34	.45	.62	.79
	1200	565	33.2	9.7	1.60	.45	.62	.79	31.7	9.3	1.84	.46	.64	.81	30.3	8.9	2.08	.46	.65	.83	28.9	8.5	2.34	.47	.66	.86

HP27-030 — CR26-60N/W-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.7	8.1	1.61	.74	.88	1.00	26.6	7.8	1.83	.75	.90	1.00	25.5	7.5	2.07	.76	.92	1.00	24.4	7.2	2.33	.78	.94	1.00
	1000	470	28.9	8.5	1.61	.80	.96	1.00	27.7	8.1	1.83	.81	.98	1.00	26.6	7.8	2.07	.83	1.00	1.00	25.6	7.5	2.33	.85	1.00	1.00
	1200	565	30.0	8.8	1.61	.86	1.00	1.00	28.9	8.5	1.83	.88	1.00	1.00	27.8	8.1	2.07	.90	1.00	1.00	26.8	7.9	2.33	.91	1.00	1.00
67°F (19°C)	800	380	29.7	8.7	1.61	.58	.71	.85	28.4	8.3	1.84	.58	.73	.87	27.2	8.0	2.07	.59	.74	.88	26.1	7.6	2.33	.60	.75	.90
	1000	470	30.8	9.0	1.60	.61	.77	.93	29.4	8.6	1.84	.62	.79	.95	28.1	8.2	2.08	.63	.81	.97	26.9	7.9	2.33	.64	.83	.99
	1200	565	31.5	9.2	1.60	.64	.83	.99	30.1	8.8	1.84	.66	.85	1.00	28.8	8.4	2.08	.67	.87	1.00	27.5	8.1	2.34	.69	.89	1.00
71°F (22°C)	800	380	32.0	9.4	1.60	.43	.56	.68	30.6	9.0	1.84	.43	.57	.70	29.2	8.6	2.08	.43	.58	.72	28.0	8.2	2.34	.44	.58	.73
	1000	470	33.0	9.7	1.60	.44	.59	.75	31.5	9.2	1.84	.44	.61	.76	30.1	8.8	2.08	.45	.62	.78	28.8	8.4	2.34	.45	.63	.80
	1200	565	33.8	9.9	1.59	.46	.63	.81	32.2	9.4	1.84	.46	.65	.83	30.7	9.0	2.09	.47	.66	.85	29.3	8.6	2.35	.47	.68	.87

HP27-030 - CR26-48N/W-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	32.7	9.6	2.01	25.9	7.6	1.86	19.0	5.6	1.71	13.4	3.9	1.52	6.5	1.9	1.14
1000	470	33.2	9.7	1.90	26.4	7.7	1.75	19.5	5.7	1.60	13.9	4.1	1.41	7.0	2.1	1.03
1200	565	33.7	9.9	1.83	26.9	7.9	1.68	20.0	5.9	1.53	14.4	4.2	1.34	7.5	2.2	.96

HP27-030 - CR26-60N/W-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	32.7	9.6	1.91	25.9	7.6	1.78	19.0	5.6	1.65	13.4	3.9	1.49	6.5	1.9	1.11
1000	470	33.2	9.7	1.80	26.4	7.7	1.68	19.5	5.7	1.55	13.9	4.1	1.38	7.0	2.1	1.01
1200	565	33.6	9.8	1.73	26.8	7.9	1.61	19.9	5.8	1.48	14.3	4.2	1.31	7.4	2.2	.94

HP27-030 - CR26-48N/W-F HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.90	33.2	9.7
60	16	1.87	31.6	9.3
55	13	1.83	30.0	8.8
50	10	1.80	28.4	8.3
47	8	1.77	27.4	8.0
45	7	1.75	26.4	7.7
40	4	1.70	24.1	7.1
35	2	1.64	21.7	6.4
30	-1	1.62	20.6	6.0
25	-4	1.60	19.5	5.7
20	-7	1.57	18.4	5.4
17	-8	1.56	17.8	5.2
15	-9	1.54	17.2	5.0
10	-12	1.51	15.6	4.6
5	-15	1.41	13.9	4.1
0	-18	1.32	12.2	3.6
-5	-21	1.22	10.5	3.1
-10	-23	1.13	8.7	2.5
-15	-26	1.03	7.0	2.1
-20	-29	.94	5.3	1.6

HP27-030 - CR26-60N/W-F HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.80	33.2	9.7
60	16	1.77	31.6	9.3
55	13	1.74	30.0	8.8
50	10	1.71	28.4	8.3
47	8	1.70	27.4	8.0
45	7	1.68	26.4	7.7
40	4	1.63	24.1	7.1
35	2	1.58	21.7	6.4
30	-1	1.56	20.6	6.0
25	-4	1.55	19.5	5.7
20	-7	1.53	18.4	5.4
17	-8	1.52	17.8	5.2
15	-9	1.51	17.2	5.0
10	-12	1.48	15.6	4.6
5	-15	1.38	13.9	4.1
0	-18	1.29	12.2	3.6
-5	-21	1.19	10.5	3.1
-10	-23	1.10	8.7	2.5
-15	-26	1.01	7.0	2.1
-20	-29	.91	5.3	1.6

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-030 — CH33-44/48B-2F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.61	.74	.89	1.00	25.4	7.4	1.83	.75	.91	1.00	24.3	7.1	2.07	.77	.93	1.00	23.2	6.8	2.33	.79	.95	1.00
	1000	470	27.5	8.1	1.61	.80	.96	1.00	26.4	7.7	1.84	.82	.98	1.00	25.3	7.4	2.07	.84	1.00	1.00	24.3	7.1	2.33	.86	1.00	1.00
	1200	565	28.5	8.4	1.61	.85	1.00	1.00	27.4	8.0	1.84	.88	1.00	1.00	26.4	7.7	2.07	.89	1.00	1.00	25.4	7.4	2.33	.91	1.00	1.00
67°F (19°C)	800	380	28.4	8.3	1.61	.58	.71	.85	27.1	7.9	1.84	.59	.73	.87	25.9	7.6	2.08	.60	.74	.89	24.8	7.3	2.33	.60	.76	.91
	1000	470	29.3	8.6	1.61	.61	.78	.93	28.0	8.2	1.84	.62	.79	.95	26.8	7.9	2.08	.64	.81	.97	25.5	7.5	2.34	.65	.83	.99
	1200	565	30.0	8.8	1.60	.65	.83	.99	28.6	8.4	1.84	.66	.85	1.00	27.4	8.0	2.08	.67	.87	1.00	26.1	7.6	2.34	.69	.89	1.00
71°F (22°C)	800	380	30.5	8.9	1.60	.43	.56	.69	29.1	8.5	1.84	.43	.57	.70	27.8	8.1	2.08	.44	.58	.72	26.5	7.8	2.34	.44	.59	.74
	1000	470	31.5	9.2	1.60	.44	.60	.75	30.0	8.8	1.84	.45	.61	.77	28.6	8.4	2.08	.45	.62	.78	27.3	8.0	2.34	.46	.63	.81
	1200	565	32.2	9.4	1.59	.45	.63	.81	30.6	9.0	1.84	.46	.65	.83	29.2	8.6	2.09	.47	.66	.85	27.8	8.1	2.35	.48	.68	.87

HP27-030 — CH23-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.3	8.0	1.61	.74	.89	1.00	26.2	7.7	1.83	.75	.90	1.00	25.2	7.4	2.06	.77	.92	1.00	24.2	7.1	2.32	.78	.94	1.00
	1000	470	28.5	8.4	1.61	.80	.96	1.00	27.4	8.0	1.83	.82	.98	1.00	26.3	7.7	2.07	.83	1.00	1.00	25.3	7.4	2.33	.86	1.00	1.00
	1200	565	29.7	8.7	1.61	.86	1.00	1.00	28.6	8.4	1.83	.88	1.00	1.00	27.6	8.1	2.07	.90	1.00	1.00	26.5	7.8	2.33	.92	1.00	1.00
67°F (19°C)	800	380	29.3	8.6	1.61	.58	.71	.85	28.1	8.2	1.83	.58	.73	.87	26.9	7.9	2.07	.59	.74	.89	25.7	7.5	2.33	.60	.76	.91
	1000	470	30.3	8.9	1.60	.61	.78	.93	29.0	8.5	1.84	.62	.79	.95	27.8	8.1	2.08	.63	.81	.97	26.5	7.8	2.33	.65	.83	.99
	1200	565	31.1	9.1	1.60	.65	.84	.99	29.7	8.7	1.84	.66	.86	1.00	28.4	8.3	2.08	.68	.88	1.00	27.2	8.0	2.34	.69	.90	1.00
71°F (22°C)	800	380	31.5	9.2	1.60	.43	.56	.69	30.1	8.8	1.84	.43	.57	.70	28.8	8.4	2.08	.43	.58	.72	27.6	8.1	2.34	.44	.59	.73
	1000	470	32.5	9.5	1.60	.44	.60	.75	31.1	9.1	1.84	.44	.61	.77	29.7	8.7	2.08	.45	.62	.79	28.3	8.3	2.34	.46	.63	.81
	1200	565	33.2	9.7	1.60	.46	.64	.81	31.7	9.3	1.84	.46	.65	.83	30.2	8.9	2.08	.47	.67	.86	28.9	8.5	2.34	.47	.68	.88

HP27-030 - CH33-44/48B-2F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	31.4	9.2	2.34	24.9	7.3	2.06	18.1	5.3	1.75	13.2	3.9	1.61	6.4	1.9	1.23
1000	470	32.0	9.4	2.20	25.5	7.5	1.93	18.7	5.5	1.61	13.8	4.0	1.48	7.0	2.1	1.09
1200	565	32.5	9.5	2.11	26.0	7.6	1.84	19.2	5.6	1.52	14.3	4.2	1.39	7.5	2.2	1.00

HP27-030 - CH23-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	33.0	9.7	1.90	26.1	7.6	1.78	19.1	5.6	1.65	13.3	3.9	1.49	6.5	1.9	1.12
1000	470	33.5	9.8	1.79	26.6	7.8	1.67	19.6	5.7	1.54	13.8	4.0	1.38	7.0	2.1	1.01
1200	565	34.0	10.0	1.72	27.1	7.9	1.60	20.1	5.9	1.48	14.3	4.2	1.32	7.5	2.2	.94

HP27-030 CH33-44/48B-2F HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.20	32.0	9.4
60	16	2.15	30.5	8.9
55	13	2.09	29.0	8.5
50	10	2.03	27.5	8.1
47	8	2.00	26.6	7.8
45	7	1.93	25.5	7.5
40	4	1.74	22.8	6.7
35	2	1.56	20.0	5.9
30	-1	1.59	19.4	5.7
25	-4	1.61	18.7	5.5
20	-7	1.64	18.0	5.3
17	-8	1.66	17.6	5.2
15	-9	1.63	17.0	5.0
10	-12	1.58	15.5	4.5
5	-15	1.48	13.8	4.0
0	-18	1.38	12.1	3.5
-5	-21	1.29	10.4	3.0
-10	-23	1.19	8.7	2.5
-15	-26	1.09	7.0	2.1
-20	-29	.99	5.3	1.6

HP27-030 - CH23-65 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.79	33.5	9.8
60	16	1.76	31.8	9.3
55	13	1.73	30.2	8.9
50	10	1.70	28.6	8.4
47	8	1.69	27.6	8.1
45	7	1.67	26.6	7.8
40	4	1.62	24.2	7.1
35	2	1.58	21.8	6.4
30	-1	1.56	20.7	6.1
25	-4	1.54	19.6	5.7
20	-7	1.53	18.5	5.4
17	-8	1.52	17.8	5.2
15	-9	1.51	17.1	5.0
10	-12	1.48	15.5	4.5
5	-15	1.38	13.8	4.0
0	-18	1.29	12.1	3.5
-5	-21	1.19	10.4	3.0
-10	-23	1.10	8.7	2.5
-15	-26	1.01	7.0	2.1
-20	-29	.91	5.3	1.6

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-030 — CH33-48C-2F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.5	7.8	1.61	.74	.89	1.00	25.4	7.4	1.83	.76	.91	1.00	24.3	7.1	2.07	.77	.93	1.00	23.3	6.8	2.33	.79	.94	1.00
	1000	470	27.5	8.1	1.61	.80	.96	1.00	26.4	7.7	1.84	.82	.98	1.00	25.3	7.4	2.07	.84	1.00	1.00	24.3	7.1	2.33	.85	1.00	1.00
	1200	565	28.6	8.4	1.61	.85	1.00	1.00	27.5	8.1	1.84	.87	1.00	1.00	26.4	7.7	2.07	.90	1.00	1.00	25.4	7.4	2.33	.92	1.00	1.00
67°F (19°C)	800	380	28.4	8.3	1.61	.58	.71	.85	27.2	8.0	1.84	.59	.73	.87	26.0	7.6	2.08	.59	.75	.89	24.8	7.3	2.34	.60	.76	.91
	1000	470	29.4	8.6	1.61	.61	.77	.93	28.0	8.2	1.84	.62	.79	.95	26.8	7.9	2.08	.63	.81	.97	25.6	7.5	2.34	.65	.83	.99
	1200	565	30.1	8.8	1.60	.65	.83	.99	28.7	8.4	1.84	.66	.85	1.00	27.4	8.0	2.08	.67	.87	1.00	26.1	7.6	2.34	.69	.90	1.00
71°F (22°C)	800	380	30.5	8.9	1.60	.43	.56	.69	29.2	8.6	1.84	.43	.57	.70	27.8	8.1	2.08	.44	.58	.72	26.6	7.8	2.34	.44	.59	.74
	1000	470	31.5	9.2	1.60	.44	.60	.75	30.0	8.8	1.84	.45	.61	.77	28.7	8.4	2.08	.45	.62	.78	27.3	8.0	2.34	.46	.63	.80
	1200	565	32.2	9.4	1.59	.46	.63	.81	30.7	9.0	1.84	.46	.64	.83	29.2	8.6	2.09	.47	.66	.85	27.8	8.1	2.35	.48	.68	.88

HP27-030 — CH23-68 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	27.6	8.1	1.61	.74	.88	1.00	26.5	7.8	1.83	.75	.90	1.00	25.3	7.4	2.07	.77	.92	1.00	24.2	7.1	2.33	.78	.95	1.00
	1000	470	28.9	8.5	1.61	.80	.96	1.00	27.7	8.1	1.84	.82	.99	1.00	26.5	7.8	2.07	.84	1.00	1.00	25.5	7.5	2.33	.86	1.00	1.00
	1200	565	30.2	8.9	1.60	.86	1.00	1.00	29.0	8.5	1.84	.88	1.00	1.00	27.9	8.2	2.08	.90	1.00	1.00	26.8	7.9	2.33	.93	1.00	1.00
67°F (19°C)	800	380	29.7	8.7	1.60	.57	.71	.85	28.4	8.3	1.84	.58	.73	.87	27.2	8.0	2.08	.59	.74	.89	26.0	7.6	2.33	.60	.75	.91
	1000	470	30.8	9.0	1.60	.61	.77	.93	29.4	8.6	1.84	.62	.79	.96	28.1	8.2	2.08	.63	.81	.98	26.8	7.9	2.34	.64	.83	1.00
	1200	565	31.6	9.3	1.60	.65	.84	1.00	30.1	8.8	1.84	.66	.86	1.00	28.8	8.4	2.08	.67	.88	1.00	27.5	8.1	2.34	.69	.90	1.00
71°F (22°C)	800	380	32.0	9.4	1.60	.43	.56	.68	30.5	8.9	1.84	.43	.56	.70	29.2	8.6	2.08	.43	.57	.71	27.9	8.2	2.34	.44	.58	.73
	1000	470	33.1	9.7	1.59	.44	.60	.75	31.5	9.2	1.84	.44	.61	.77	30.1	8.8	2.09	.45	.62	.79	28.7	8.4	2.35	.45	.63	.81
	1200	565	33.9	9.9	1.59	.45	.63	.81	32.2	9.4	1.84	.46	.65	.83	30.7	9.0	2.09	.47	.66	.86	29.2	8.6	2.35	.47	.68	.88

HP27-030 - CH33-48C-2F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	31.4	9.2	2.35	24.9	7.3	2.07	18.1	5.3	1.76	13.2	3.9	1.62	6.4	1.9	1.23
1000	470	32.0	9.4	2.21	25.5	7.5	1.93	18.7	5.5	1.62	13.8	4.0	1.48	7.0	2.1	1.09
1200	565	32.5	9.5	2.12	26.0	7.6	1.84	19.2	5.6	1.53	14.3	4.2	1.39	7.5	2.2	1.00

HP27-030 - CH23-68 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	33.0	9.7	1.80	26.1	7.6	1.71	19.1	5.6	1.61	13.3	3.9	1.47	6.5	1.9	1.10
1000	470	33.5	9.8	1.70	26.6	7.8	1.61	19.6	5.7	1.51	13.8	4.0	1.37	7.0	2.1	.99
1200	565	33.9	9.9	1.64	27.0	7.9	1.55	20.0	5.9	1.45	14.2	4.2	1.31	7.4	2.2	.93

HP27-030 - CH33-48C-2F HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.21	32.0	9.4
60	16	2.15	30.5	8.9
55	13	2.10	29.0	8.5
50	10	2.04	27.5	8.1
47	8	2.00	26.6	7.8
45	7	1.93	25.5	7.5
40	4	1.75	22.8	6.7
35	2	1.57	20.0	5.9
30	-1	1.59	19.3	5.7
25	-4	1.62	18.7	5.5
20	-7	1.64	18.0	5.3
17	-8	1.66	17.6	5.2
15	-9	1.63	17.0	5.0
10	-12	1.58	15.5	4.5
5	-15	1.48	13.8	4.0
0	-18	1.38	12.1	3.5
-5	-21	1.29	10.4	3.0
-10	-23	1.19	8.7	2.5
-15	-26	1.09	7.0	2.1
-20	-29	1.00	5.3	1.6

HP27-030 - CH23-68 HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.70	33.5	9.8
60	16	1.68	31.8	9.3
55	13	1.66	30.2	8.9
50	10	1.63	28.6	8.4
47	8	1.62	27.6	8.1
45	7	1.61	26.6	7.8
40	4	1.57	24.2	7.1
35	2	1.53	21.8	6.4
30	-1	1.52	20.7	6.1
25	-4	1.51	19.6	5.7
20	-7	1.50	18.5	5.4
17	-8	1.49	17.8	5.2
15	-9	1.48	17.1	5.0
10	-12	1.46	15.5	4.5
5	-15	1.37	13.8	4.0
0	-18	1.27	12.1	3.5
-5	-21	1.18	10.4	3.0
-10	-23	1.09	8.7	2.5
-15	-26	.99	7.0	2.1
-20	-29	.90	5.3	1.6

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-036 — CB30U41/46 - CB30M-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	33.8	9.9	2.04	.77	.92	1.00	32.7	9.6	2.30	.78	.94	1.00	31.4	9.2	2.60	.80	.96	1.00	30.1	8.8	2.94	.81	.97	1.00
	1300	615	34.8	10.2	2.05	.81	.97	1.00	33.6	9.8	2.31	.83	.99	1.00	32.4	9.5	2.60	.85	1.00	1.00	31.2	9.1	2.95	.87	1.00	1.00
	1500	710	35.8	10.5	2.05	.86	1.00	1.00	34.7	10.2	2.31	.88	1.00	1.00	33.5	9.8	2.61	.89	1.00	1.00	32.2	9.4	2.95	.91	1.00	1.00
67°F (19°C)	1100	520	35.9	10.5	2.06	.59	.74	.89	34.6	10.1	2.31	.60	.76	.90	33.3	9.8	2.61	.61	.77	.92	31.9	9.3	2.95	.62	.79	.94
	1300	615	36.7	10.8	2.06	.62	.79	.94	35.4	10.4	2.32	.63	.81	.96	34.0	10.0	2.62	.64	.82	.98	32.5	9.5	2.96	.65	.84	.99
	1500	710	37.3	10.9	2.07	.65	.84	.99	35.9	10.5	2.33	.66	.86	1.00	34.5	10.1	2.62	.67	.87	1.00	33.0	9.7	2.96	.69	.89	1.00
71°F (22°C)	1100	520	38.3	11.2	2.07	.44	.58	.72	37.0	10.8	2.33	.44	.58	.73	35.5	10.4	2.63	.44	.59	.75	34.1	10.0	2.97	.44	.60	.77
	1300	615	39.1	11.5	2.08	.45	.61	.77	37.7	11.0	2.33	.45	.62	.79	36.2	10.6	2.63	.45	.63	.80	34.6	10.1	2.97	.46	.64	.82
	1500	710	39.6	11.6	2.08	.46	.64	.82	38.2	11.2	2.34	.46	.65	.83	36.7	10.8	2.64	.47	.66	.85	35.1	10.3	2.98	.47	.68	.87

HP27-036 — CB30M-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	33.8	9.9	2.04	.77	.92	1.00	32.7	9.6	2.30	.78	.94	1.00	31.4	9.2	2.60	.80	.96	1.00	30.1	8.8	2.94	.81	.97	1.00
	1300	615	34.8	10.2	2.05	.81	.97	1.00	33.6	9.8	2.31	.83	.99	1.00	32.4	9.5	2.60	.85	1.00	1.00	31.2	9.1	2.95	.87	1.00	1.00
	1500	710	35.8	10.5	2.05	.86	1.00	1.00	34.7	10.2	2.31	.88	1.00	1.00	33.5	9.8	2.61	.89	1.00	1.00	32.2	9.4	2.95	.91	1.00	1.00
67°F (19°C)	1100	520	35.9	10.5	2.06	.59	.74	.89	34.6	10.1	2.31	.60	.76	.90	33.3	9.8	2.61	.61	.77	.92	31.9	9.3	2.95	.62	.79	.94
	1300	615	36.7	10.8	2.06	.62	.79	.94	35.4	10.4	2.32	.63	.81	.96	34.0	10.0	2.62	.64	.82	.98	32.5	9.5	2.96	.65	.84	.99
	1500	710	37.3	10.9	2.07	.65	.84	.99	35.9	10.5	2.33	.66	.86	1.00	34.5	10.1	2.62	.67	.87	1.00	33.0	9.7	2.96	.69	.89	1.00
71°F (22°C)	1100	520	38.3	11.2	2.07	.44	.58	.72	37.0	10.8	2.33	.44	.58	.73	35.5	10.4	2.63	.44	.59	.75	34.1	10.0	2.97	.44	.60	.77
	1300	615	39.1	11.5	2.08	.45	.61	.77	37.7	11.0	2.33	.45	.62	.79	36.2	10.6	2.63	.45	.63	.80	34.6	10.1	2.97	.46	.64	.82
	1500	710	39.6	11.6	2.08	.46	.64	.82	38.2	11.2	2.34	.46	.65	.83	36.7	10.8	2.64	.47	.66	.85	35.1	10.3	2.98	.47	.68	.87

HP27-036 - CB30U-41/46 - CB30-41M HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.3	11.5	2.42	30.2	8.9	2.24	20.7	6.1	2.06	14.4	4.2	1.84	7.2	2.1	1.37
1300	615	39.8	11.7	2.33	30.7	9.0	2.15	21.2	6.2	1.97	14.9	4.4	1.75	7.7	2.3	1.27
1500	710	40.2	11.8	2.26	31.1	9.1	2.08	21.6	6.3	1.90	15.3	4.5	1.68	8.1	2.4	1.20

HP27-036 - CB30M-46 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.5	11.6	2.43	30.4	8.9	2.25	20.9	6.1	2.07	14.6	4.3	1.84	7.4	2.2	1.37
1300	615	39.8	11.7	2.33	30.7	9.0	2.15	21.2	6.2	1.97	14.9	4.4	1.75	7.7	2.3	1.28
1500	710	40.1	11.8	2.26	31.0	9.1	2.08	21.5	6.3	1.90	15.2	4.5	1.68	8.0	2.3	1.21

HP27-036 - CB30U-41/46 - CB30M-41 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.33	39.8	11.7
60	16	2.29	37.7	11.0
55	13	2.24	35.6	10.4
50	10	2.20	33.5	9.8
47	8	2.18	32.2	9.4
45	7	2.15	30.7	9.0
40	4	2.09	26.9	7.9
35	2	2.02	23.1	6.8
30	-1	1.99	22.2	6.5
25	-4	1.97	21.2	6.2
20	-7	1.94	20.3	5.9
17	-8	1.92	19.7	5.8
15	-9	1.91	18.8	5.5
10	-12	1.86	16.8	4.9
5	-15	1.75	14.9	4.4
0	-18	1.63	13.1	3.8
-5	-21	1.51	11.3	3.3
-10	-23	1.39	9.5	2.8
-15	-26	1.27	7.7	2.3
-20	-29	1.15	5.9	1.7

HP27-036 - CB30M-46 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.33	39.8	11.7
60	16	2.29	37.7	11.0
55	13	2.25	35.6	10.4
50	10	2.20	33.5	9.8
47	8	2.18	32.2	9.4
45	7	2.15	30.7	9.0
40	4	2.09	26.9	7.9
35	2	2.03	23.1	6.8
30	-1	2.00	22.2	6.5
25	-4	1.97	21.2	6.2
20	-7	1.94	20.3	5.9
17	-8	1.93	19.7	5.8
15	-9	1.91	18.8	5.5
10	-12	1.87	16.8	4.9
5	-15	1.75	14.9	4.4
0	-18	1.63	13.1	3.8
-5	-21	1.51	11.3	3.3
-10	-23	1.39	9.5	2.8
-15	-26	1.28	7.7	2.3
-20	-29	1.16	5.9	1.7

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-036 — CB31MV-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	33.6	9.8	2.04	.77	.92	1.00	32.4	9.5	2.30	.78	.94	1.00	31.2	9.1	2.60	.80	.95	1.00	29.9	8.8	2.94	.81	.97	1.00
	1300	615	34.5	10.1	2.05	.82	.97	1.00	33.4	9.8	2.31	.83	.99	1.00	32.2	9.4	2.60	.85	.99	1.00	31.0	9.1	2.95	.87	1.00	1.00
	1500	710	35.5	10.4	2.05	.86	1.00	1.00	34.4	10.1	2.31	.87	1.00	1.00	33.2	9.7	2.61	.89	1.00	1.00	32.0	9.4	2.95	.91	1.00	1.00
67°F (19°C)	1100	520	35.6	10.4	2.06	.59	.74	.89	34.4	10.1	2.31	.60	.76	.90	33.0	9.7	2.61	.61	.77	.92	31.6	9.3	2.95	.62	.79	.94
	1300	615	36.4	10.7	2.06	.62	.79	.94	35.1	10.3	2.32	.63	.81	.96	33.7	9.9	2.62	.64	.82	.98	32.2	9.4	2.96	.65	.84	.99
	1500	710	37.0	10.8	2.07	.65	.84	.99	35.6	10.4	2.33	.66	.86	1.00	34.2	10.0	2.62	.67	.87	1.00	32.8	9.6	2.96	.69	.89	1.00
71°F (22°C)	1100	520	38.0	11.1	2.07	.43	.58	.72	36.7	10.8	2.33	.44	.59	.73	35.3	10.3	2.63	.44	.59	.75	33.8	9.9	2.97	.44	.61	.77
	1300	615	38.8	11.4	2.08	.45	.61	.77	37.4	11.0	2.33	.45	.62	.78	35.9	10.5	2.63	.45	.63	.80	34.3	10.1	2.97	.46	.64	.82
	1500	710	39.3	11.5	2.08	.46	.64	.82	37.9	11.1	2.34	.46	.65	.83	36.4	10.7	2.64	.47	.66	.85	34.8	10.2	2.98	.47	.68	.87

HP27-036 — CB30U-51 - CB30M-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.6	10.1	2.03	.77	.92	1.00	33.4	9.8	2.29	.78	.94	1.00	32.1	9.4	2.58	.80	.95	1.00	30.7	9.0	2.93	.81	.98	1.00
	1300	615	35.6	10.4	2.04	.81	.98	1.00	34.4	10.1	2.30	.83	.99	1.00	33.2	9.7	2.59	.85	1.00	1.00	31.9	9.3	2.93	.86	1.00	1.00
	1500	710	36.8	10.8	2.05	.86	1.00	1.00	35.6	10.4	2.30	.88	1.00	1.00	34.4	10.1	2.59	.90	1.00	1.00	33.0	9.7	2.93	.92	1.00	1.00
67°F (19°C)	1100	520	36.8	10.8	2.05	.59	.74	.89	35.5	10.4	2.30	.60	.75	.90	34.1	10.0	2.60	.61	.77	.92	32.6	9.6	2.93	.62	.79	.95
	1300	615	37.7	11.0	2.05	.62	.79	.95	36.3	10.6	2.31	.63	.81	.96	34.8	10.2	2.60	.64	.82	.98	33.3	9.8	2.94	.65	.84	1.00
	1500	710	38.3	11.2	2.06	.65	.84	.99	36.9	10.8	2.31	.66	.86	1.00	35.4	10.4	2.61	.67	.88	1.00	33.9	9.9	2.94	.69	.90	1.00
71°F (22°C)	1100	520	39.3	11.5	2.07	.43	.58	.72	37.9	11.1	2.32	.44	.58	.73	36.4	10.7	2.61	.44	.59	.75	34.9	10.2	2.95	.44	.60	.76
	1300	615	40.2	11.8	2.07	.45	.61	.77	38.7	11.3	2.33	.45	.62	.79	37.1	10.9	2.62	.45	.63	.80	35.5	10.4	2.95	.46	.64	.82
	1500	710	40.8	12.0	2.08	.46	.64	.82	39.2	11.5	2.33	.46	.65	.84	37.6	11.0	2.62	.47	.66	.85	36.0	10.6	2.96	.47	.68	.88

HP27-036 - CB31MV-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.3	11.5	2.42	30.2	8.9	2.25	20.7	6.1	2.07	14.4	4.2	1.85	7.2	2.1	1.37
1300	615	39.8	11.7	2.33	30.7	9.0	2.15	21.2	6.2	1.97	14.9	4.4	1.76	7.7	2.3	1.28
1500	710	40.2	11.8	2.26	31.1	9.1	2.08	21.6	6.3	1.90	15.3	4.5	1.69	8.1	2.4	1.21

HP27-036 - CB30U-51 - CB30M-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.4	11.5	2.36	30.9	9.1	2.20	22.4	6.6	2.03	14.5	4.2	1.82	7.2	2.1	1.35
1300	615	39.9	11.7	2.27	31.4	9.2	2.11	22.9	6.7	1.94	15.0	4.4	1.72	7.7	2.3	1.25
1500	710	40.2	11.8	2.20	31.7	9.3	2.04	23.2	6.8	1.87	15.3	4.5	1.65	8.0	2.3	1.18

HP27-036 - CB31MV-41 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.33	39.8	11.7
60	16	2.28	37.7	11.0
55	13	2.24	35.6	10.4
50	10	2.20	33.5	9.8
47	8	2.18	32.2	9.4
45	7	2.15	30.7	9.0
40	4	2.09	26.9	7.9
35	2	2.03	23.1	6.8
30	-1	2.00	22.2	6.5
25	-4	1.97	21.2	6.2
20	-7	1.95	20.3	5.9
17	-8	1.93	19.7	5.8
15	-9	1.92	18.8	5.5
10	-12	1.87	16.7	4.9
5	-15	1.76	14.9	4.4
0	-18	1.64	13.1	3.8
-5	-21	1.52	11.3	3.3
-10	-23	1.40	9.5	2.8
-15	-26	1.28	7.7	2.3
-20	-29	1.16	5.9	1.7

HP27-036 - CB30U-51 - CB30M-51 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.27	39.9	11.7
60	16	2.23	37.8	11.1
55	13	2.19	35.7	10.5
50	10	2.15	33.6	9.8
47	8	2.13	32.4	9.5
45	7	2.11	31.4	9.2
40	4	2.05	29.1	8.5
35	2	1.99	26.8	7.9
30	-1	1.96	24.8	7.3
25	-4	1.94	22.9	6.7
20	-7	1.91	20.9	6.1
17	-8	1.89	19.7	5.8
15	-9	1.88	18.9	5.5
10	-12	1.84	16.8	4.9
5	-15	1.72	15.0	4.4
0	-18	1.60	13.2	3.9
-5	-21	1.49	11.4	3.3
-10	-23	1.37	9.6	2.8
-15	-26	1.25	7.7	2.3
-20	-29	1.14	5.9	1.7

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-036 — CB31MV-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.1	10.0	2.06	.76	.92	1.00	32.9	9.6	2.32	.78	.94	1.00	31.6	9.3	2.62	.79	.96	1.00	30.3	8.9	2.96	.81	.98	1.00
	1300	615	35.2	10.3	2.07	.81	.97	1.00	33.9	9.9	2.32	.83	.99	1.00	32.7	9.6	2.62	.85	1.00	1.00	31.5	9.2	2.96	.87	1.00	1.00
	1500	710	36.3	10.6	2.07	.86	1.00	1.00	35.1	10.3	2.33	.88	1.00	1.00	33.9	9.9	2.62	.90	1.00	1.00	32.6	9.6	2.97	.92	1.00	1.00
67°F (19°C)	1100	520	36.3	10.6	2.07	.59	.74	.89	35.0	10.3	2.33	.60	.75	.90	33.6	9.8	2.63	.61	.77	.92	32.1	9.4	2.97	.62	.79	.94
	1300	615	37.2	10.9	2.08	.62	.79	.95	35.8	10.5	2.34	.63	.81	.96	34.3	10.1	2.63	.64	.83	.98	32.8	9.6	2.98	.65	.84	1.00
	1500	710	37.8	11.1	2.08	.65	.84	.99	36.4	10.7	2.34	.66	.86	1.00	34.9	10.2	2.64	.67	.88	1.00	33.4	9.8	2.98	.69	.90	1.00
71°F (22°C)	1100	520	38.8	11.4	2.09	.43	.58	.72	37.4	11.0	2.35	.44	.58	.73	35.9	10.5	2.64	.44	.59	.74	34.4	10.1	2.99	.44	.60	.76
	1300	615	39.6	11.6	2.10	.44	.61	.77	38.2	11.2	2.35	.45	.62	.78	36.6	10.7	2.65	.45	.63	.80	35.0	10.3	2.99	.46	.64	.82
	1500	710	40.2	11.8	2.10	.46	.64	.82	38.7	11.3	2.36	.46	.65	.84	37.1	10.9	2.65	.47	.67	.85	35.5	10.4	3.00	.47	.68	.88

HP27-036 — CVP10-41/EC10Q3 - CVP10-46/EC10Q4 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	33.5	9.8	2.05	.77	.92	1.00	32.4	9.5	2.31	.78	.93	1.00	31.2	9.1	2.61	.79	.95	1.00	29.9	8.8	2.95	.81	.97	1.00
	1300	615	34.5	10.1	2.06	.81	.97	1.00	33.4	9.8	2.31	.83	.98	1.00	32.2	9.4	2.62	.84	.99	1.00	31.0	9.1	2.96	.86	1.00	1.00
	1500	710	35.5	10.4	2.06	.86	1.00	1.00	34.4	10.1	2.32	.87	1.00	1.00	33.2	9.7	2.62	.89	1.00	1.00	32.0	9.4	2.97	.91	1.00	1.00
67°F (19°C)	1100	520	35.6	10.4	2.06	.59	.74	.89	34.3	10.1	2.32	.60	.76	.90	33.0	9.7	2.62	.61	.77	.92	31.6	9.3	2.97	.62	.79	.94
	1300	615	36.4	10.7	2.07	.62	.79	.94	35.1	10.3	2.33	.63	.80	.96	33.7	9.9	2.63	.64	.82	.97	32.3	9.5	2.97	.65	.84	.99
	1500	710	37.0	10.8	2.07	.65	.84	.98	35.7	10.5	2.33	.66	.85	.99	34.3	10.1	2.63	.67	.87	1.00	32.8	9.6	2.98	.68	.89	1.00
71°F (22°C)	1100	520	38.0	11.1	2.08	.43	.58	.72	36.6	10.7	2.34	.44	.58	.73	35.2	10.3	2.64	.44	.59	.75	33.8	9.9	2.98	.44	.60	.76
	1300	615	38.8	11.4	2.09	.44	.61	.77	37.4	11.0	2.34	.45	.61	.78	35.9	10.5	2.64	.45	.63	.80	34.4	10.1	2.99	.46	.64	.82
	1500	710	39.3	11.5	2.09	.46	.64	.81	37.9	11.1	2.35	.46	.65	.83	36.4	10.7	2.65	.47	.66	.85	34.8	10.2	2.99	.47	.68	.87

HP27-036 - CB31MV-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.4	11.5	2.32	30.3	8.9	2.17	20.7	6.1	2.00	14.4	4.2	1.80	7.2	2.1	1.33
1300	615	39.9	11.7	2.25	30.8	9.0	2.10	21.2	6.2	1.93	14.9	4.4	1.73	7.7	2.3	1.26
1500	710	40.2	11.8	1.48	31.1	9.1	1.33	21.5	6.3	1.16	15.2	4.5	.96	8.0	2.3	.49

HP27-036 - CVP10-41/EC10Q3 - CVP10-46/EC10Q4 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.6	11.6	2.40	30.5	8.9	2.17	20.9	6.1	1.89	14.7	4.3	1.84	7.3	2.1	1.36
1300	615	40.1	11.8	2.30	31.0	9.1	2.07	21.4	6.3	1.80	15.2	4.5	1.74	7.8	2.3	1.27
1500	710	40.5	11.9	2.23	31.4	9.2	2.00	21.8	6.4	1.73	15.6	4.6	1.67	8.2	2.4	1.20

HP27-036 - CB31MV-51 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.25	39.9	11.7
60	16	2.22	37.8	11.1
55	13	2.18	35.7	10.5
50	10	2.14	33.6	9.8
47	8	2.12	32.3	9.5
45	7	2.10	30.8	9.0
40	4	2.04	27.0	7.9
35	2	1.98	23.2	6.8
30	-1	1.96	22.2	6.5
25	-4	1.93	21.2	6.2
20	-7	1.91	20.3	5.9
17	-8	1.90	19.7	5.8
15	-9	1.88	18.8	5.5
10	-12	1.84	16.7	4.9
5	-15	1.73	14.9	4.4
0	-18	1.61	13.1	3.8
-5	-21	1.49	11.3	3.3
-10	-23	1.37	9.5	2.8
-15	-26	1.26	7.7	2.3
-20	-29	1.14	5.9	1.7

HP27-036 - CVP10-41/EC10Q3 - CVP10-46/EC10Q4 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.30	40.1	11.8
60	16	2.26	38.0	11.1
55	13	2.22	35.9	10.5
50	10	2.18	33.8	9.9
47	8	2.16	32.5	9.5
45	7	2.07	31.0	9.1
40	4	1.86	27.2	8.0
35	2	1.65	23.4	6.9
30	-1	1.73	22.4	6.6
25	-4	1.80	21.4	6.3
20	-7	1.87	20.5	6.0
17	-8	1.91	19.9	5.8
15	-9	1.90	19.1	5.6
10	-12	1.86	17.0	5.0
5	-15	1.74	15.2	4.5
0	-18	1.62	13.3	3.9
-5	-21	1.50	11.5	3.4
-10	-23	1.39	9.6	2.8
-15	-26	1.27	7.8	2.3
-20	-29	1.15	6.0	1.8

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-036 — CVP10-51/EC10Q4/5 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	33.5	9.8	2.05	.76	.91	1.00	32.3	9.5	2.31	.78	.93	1.00	31.0	9.1	2.61	.79	.95	1.00	29.7	8.7	2.96	.81	.97	1.00
	1300	615	34.4	10.1	2.06	.81	.97	1.00	33.3	9.8	2.32	.83	.98	1.00	32.0	9.4	2.62	.84	1.00	1.00	30.8	9.0	2.96	.86	1.00	1.00
	1500	710	35.5	10.4	2.06	.86	1.00	1.00	34.4	10.1	2.32	.87	1.00	1.00	33.2	9.7	2.62	.89	1.00	1.00	31.9	9.3	2.97	.91	1.00	1.00
67°F (19°C)	1100	520	35.6	10.4	2.07	.59	.74	.89	34.3	10.1	2.32	.60	.75	.90	32.9	9.6	2.63	.61	.77	.92	31.5	9.2	2.97	.62	.78	.94
	1300	615	36.4	10.7	2.07	.62	.79	.94	35.1	10.3	2.33	.63	.80	.96	33.7	9.9	2.63	.64	.82	.98	32.2	9.4	2.97	.65	.84	.99
	1500	710	37.0	10.8	2.08	.65	.84	.99	35.7	10.5	2.34	.66	.85	1.00	34.3	10.1	2.63	.67	.87	1.00	32.8	9.6	2.98	.68	.89	1.00
71°F (22°C)	1100	520	38.0	11.1	2.08	.43	.57	.72	36.7	10.8	2.34	.44	.58	.73	35.2	10.3	2.64	.44	.59	.74	33.7	9.9	2.98	.44	.60	.76
	1300	615	38.8	11.4	2.09	.45	.61	.77	37.4	11.0	2.35	.45	.61	.78	35.9	10.5	2.64	.45	.63	.80	34.3	10.1	2.99	.46	.64	.82
	1500	710	39.4	11.5	2.10	.46	.64	.81	37.9	11.1	2.35	.46	.65	.83	36.4	10.7	2.65	.47	.66	.85	34.8	10.2	2.99	.47	.68	.87

HP27-036 — C26-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.0	10.0	2.05	.77	.93	1.00	32.9	9.6	2.31	.79	.94	1.00	31.6	9.3	2.61	.80	.96	1.00	30.3	8.9	2.95	.82	.98	1.00
	1300	615	35.1	10.3	2.06	.82	.97	1.00	33.9	9.9	2.32	.83	.99	1.00	32.7	9.6	2.61	.85	1.00	1.00	31.5	9.2	2.96	.87	1.00	1.00
	1500	710	36.1	10.6	2.06	.87	1.00	1.00	35.0	10.3	2.32	.88	1.00	1.00	33.8	9.9	2.62	.90	1.00	1.00	32.5	9.5	2.96	.92	1.00	1.00
67°F (19°C)	1100	520	36.1	10.6	2.06	.60	.75	.89	34.8	10.2	2.32	.60	.76	.91	33.5	9.8	2.62	.61	.78	.93	32.0	9.4	2.97	.62	.79	.95
	1300	615	36.9	10.8	2.07	.63	.80	.95	35.6	10.4	2.33	.63	.81	.96	34.2	10.0	2.63	.65	.83	.98	32.7	9.6	2.97	.66	.85	1.00
	1500	710	37.5	11.0	2.08	.66	.85	.99	36.2	10.6	2.33	.67	.86	1.00	34.7	10.2	2.63	.68	.88	1.00	33.3	9.8	2.97	.69	.90	1.00
71°F (22°C)	1100	520	38.5	11.3	2.08	.44	.58	.72	37.1	10.9	2.34	.44	.59	.74	35.7	10.5	2.64	.44	.60	.75	34.2	10.0	2.98	.44	.61	.77
	1300	615	39.3	11.5	2.09	.45	.61	.78	37.8	11.1	2.35	.45	.62	.79	36.3	10.6	2.64	.45	.63	.81	34.8	10.2	2.98	.46	.65	.83
	1500	710	39.9	11.7	2.09	.46	.64	.82	38.4	11.3	2.35	.46	.66	.84	36.8	10.8	2.65	.47	.67	.86	35.2	10.3	2.99	.47	.68	.88

HP27-036 - CVP10-51/EC10Q4/5 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.6	11.6	2.36	30.5	8.9	2.15	21.0	6.2	1.89	14.7	4.3	1.84	7.3	2.1	1.36
1300	615	40.1	11.8	2.27	31.0	9.1	2.05	21.5	6.3	1.80	15.2	4.5	1.75	7.8	2.3	1.27
1500	710	40.5	11.9	1.48	31.4	9.2	1.27	21.9	6.4	1.01	15.6	4.6	.96	8.2	2.4	.48

HP27-036 - C26-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.5	11.6	2.41	30.5	8.9	2.25	20.9	6.1	2.08	14.6	4.3	1.87	7.3	2.1	1.39
1300	615	40.0	11.7	2.31	31.0	9.1	2.15	21.4	6.3	1.99	15.1	4.4	1.78	7.8	2.3	1.29
1500	710	40.3	11.8	2.27	31.3	9.2	2.11	21.7	6.4	1.95	15.4	4.5	1.74	8.1	2.4	1.25

HP27-036 - CVP10-51/EC10Q4/5 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.27	40.1	11.8
60	16	2.23	38.0	11.1
55	13	2.19	35.9	10.5
50	10	2.16	33.8	9.9
47	8	2.13	32.5	9.5
45	7	2.05	31.0	9.1
40	4	1.85	27.2	8.0
35	2	1.64	23.4	6.9
30	-1	1.72	22.4	6.6
25	-4	1.80	21.5	6.3
20	-7	1.87	20.5	6.0
17	-8	1.92	19.9	5.8
15	-9	1.90	19.1	5.6
10	-12	1.87	17.0	5.0
5	-15	1.75	15.2	4.5
0	-18	1.63	13.3	3.9
-5	-21	1.51	11.5	3.4
-10	-23	1.39	9.7	2.8
-15	-26	1.27	7.8	2.3
-20	-29	1.15	6.0	1.8

HP27-036 - C26-46 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.31	40.0	11.7
60	16	2.28	37.9	11.1
55	13	2.24	35.8	10.5
50	10	2.20	33.7	9.9
47	8	2.18	32.5	9.5
45	7	2.15	31.0	9.1
40	4	2.09	27.1	7.9
35	2	2.03	23.3	6.8
30	-1	2.01	22.4	6.6
25	-4	1.99	21.4	6.3
20	-7	1.97	20.4	6.0
17	-8	1.95	19.9	5.8
15	-9	1.94	19.0	5.6
10	-12	1.90	16.9	5.0
5	-15	1.78	15.1	4.4
0	-18	1.66	13.3	3.9
-5	-21	1.54	11.4	3.3
-10	-23	1.42	9.6	2.8
-15	-26	1.29	7.8	2.3
-20	-29	1.17	6.0	1.8

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-036 — C26-51/65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.3	10.1	2.06	.77	.92	1.00	33.1	9.7	2.32	.78	.94	1.00	31.8	9.3	2.62	.80	.96	1.00	30.5	8.9	2.97	.82	.98	1.00
	1300	615	35.3	10.3	2.07	.82	.98	1.00	34.1	10.0	2.33	.83	.99	1.00	32.9	9.6	2.63	.85	1.00	1.00	31.7	9.3	2.97	.87	1.00	1.00
	1500	710	36.5	10.7	2.07	.86	1.00	1.00	35.3	10.3	2.33	.88	1.00	1.00	34.1	10.0	2.63	.90	1.00	1.00	32.8	9.6	2.98	.92	1.00	1.00
67°F (19°C)	1100	520	36.4	10.7	2.08	.59	.75	.89	35.1	10.3	2.34	.60	.76	.91	33.7	9.9	2.63	.61	.77	.93	32.3	9.5	2.98	.62	.79	.95
	1300	615	37.3	10.9	2.08	.62	.80	.95	35.9	10.5	2.34	.63	.81	.97	34.4	10.1	2.64	.64	.83	.99	32.9	9.6	2.98	.66	.85	1.00
	1500	710	37.9	11.1	2.09	.65	.84	.99	36.5	10.7	2.35	.66	.86	1.00	35.1	10.3	2.64	.68	.88	1.00	33.5	9.8	2.99	.69	.90	1.00
71°F (22°C)	1100	520	38.9	11.4	2.10	.43	.58	.72	37.5	11.0	2.35	.44	.59	.73	36.0	10.6	2.65	.44	.60	.75	34.5	10.1	2.99	.44	.61	.77
	1300	615	39.7	11.6	2.10	.45	.61	.77	38.2	11.2	2.36	.45	.62	.79	36.7	10.8	2.66	.46	.63	.81	35.1	10.3	3.00	.46	.65	.83
	1500	710	40.3	11.8	2.11	.46	.64	.82	38.8	11.4	2.36	.46	.65	.84	37.2	10.9	2.66	.47	.67	.86	35.6	10.4	3.00	.47	.68	.88

HP27-036 — C33-50/60C COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	32.9	9.6	2.08	.75	.89	1.00	31.7	9.3	2.33	.75	.90	1.00	30.4	8.9	2.63	.77	.92	1.00	29.1	8.5	2.98	.79	.94	1.00
	1200	565	33.9	9.9	2.08	.79	.95	1.00	32.7	9.6	2.34	.80	.96	1.00	31.4	9.2	2.64	.82	.98	1.00	30.1	8.8	2.98	.84	1.00	1.00
	1400	660	34.8	10.2	2.09	.83	.99	1.00	33.6	9.8	2.35	.85	1.00	1.00	32.4	9.5	2.64	.87	1.00	1.00	31.1	9.1	2.99	.89	1.00	1.00
67°F (19°C)	1000	470	35.1	10.3	2.09	.58	.72	.85	33.8	9.9	2.35	.59	.73	.87	32.4	9.5	2.64	.60	.75	.89	31.0	9.1	2.99	.60	.76	.91
	1200	565	35.9	10.5	2.10	.61	.77	.91	34.6	10.1	2.36	.62	.78	.93	33.2	9.7	2.65	.62	.80	.95	31.7	9.3	3.00	.63	.82	.97
	1400	660	36.6	10.7	2.10	.63	.81	.97	35.2	10.3	2.36	.64	.83	.98	33.8	9.9	2.66	.66	.85	1.00	32.3	9.5	3.00	.67	.87	1.00
71°F (22°C)	1000	470	37.4	11.0	2.11	.43	.56	.69	36.1	10.6	2.36	.43	.57	.71	34.6	10.1	2.66	.44	.58	.72	33.1	9.7	3.01	.44	.59	.74
	1200	565	38.3	11.2	2.12	.44	.59	.74	36.9	10.8	2.37	.45	.60	.76	35.4	10.4	2.67	.45	.61	.77	33.8	9.9	3.01	.45	.62	.79
	1400	660	38.9	11.4	2.12	.45	.62	.79	37.5	11.0	2.38	.46	.63	.81	35.9	10.5	2.67	.46	.64	.82	34.3	10.1	3.01	.47	.66	.85

HP27-036 - C26-51/65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.6	11.6	2.37	30.5	8.9	2.22	21.0	6.2	2.07	14.6	4.3	1.87	7.3	2.1	1.39
1300	615	40.1	11.8	2.27	31.0	9.1	2.12	21.5	6.3	1.97	15.1	4.4	1.77	7.8	2.3	1.28
1500	710	40.5	11.9	2.22	31.4	9.2	2.07	21.9	6.4	1.92	15.5	4.5	1.72	8.2	2.4	1.24

HP27-036 - C33-50/60C HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	40.0	11.7	2.60	30.6	9.0	2.35	20.8	6.1	2.06	14.6	4.3	1.94	7.3	2.1	1.45
1200	565	40.5	11.9	2.47	31.1	9.1	2.22	21.3	6.2	1.93	15.1	4.4	1.81	7.8	2.3	1.32
1400	660	40.9	12.0	2.38	31.5	9.2	2.13	21.7	6.4	1.84	15.5	4.5	1.72	8.2	2.4	1.23

HP27-036 - C26-51/65 - HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.27	40.1	11.8
60	16	2.23	38.0	11.1
55	13	2.20	35.9	10.5
50	10	2.16	33.8	9.9
47	8	2.14	32.5	9.5
45	7	2.12	31.0	9.1
40	4	2.06	27.2	8.0
35	2	2.01	23.4	6.9
30	-1	1.99	22.4	6.6
25	-4	1.97	21.5	6.3
20	-7	1.95	20.5	6.0
17	-8	1.94	19.9	5.8
15	-9	1.92	19.1	5.6
10	-12	1.89	17.0	5.0
5	-15	1.77	15.1	4.4
0	-18	1.65	13.3	3.9
-5	-21	1.53	11.5	3.4
-10	-23	1.40	9.6	2.8
-15	-26	1.28	7.8	2.3
-20	-29	1.16	6.0	1.8

HP27-036 - C33-50/60C - HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.47	40.5	11.9
60	16	2.42	38.3	11.2
55	13	2.37	36.2	10.6
50	10	2.32	34.0	10.0
47	8	2.29	32.8	9.6
45	7	2.22	31.1	9.1
40	4	2.03	27.1	7.9
35	2	1.85	23.0	6.7
30	-1	1.89	22.1	6.5
25	-4	1.93	21.3	6.2
20	-7	1.97	20.4	6.0
17	-8	2.00	19.9	5.8
15	-9	1.98	19.0	5.6
10	-12	1.93	16.9	5.0
5	-15	1.81	15.1	4.4
0	-18	1.69	13.2	3.9
-5	-21	1.57	11.4	3.3
-10	-23	1.44	9.6	2.8
-15	-26	1.32	7.8	2.3
-20	-29	1.20	6.0	1.8

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-036 — C26-65EAP COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.5	10.1	2.06	.76	.90	1.00	33.3	9.8	2.31	.77	.92	1.00	32.0	9.4	2.62	.78	.94	1.00	30.7	9.0	2.96	.80	.96	1.00
	1300	615	35.5	10.4	2.06	.80	.96	1.00	34.3	10.1	2.32	.81	.97	1.00	33.0	9.7	2.62	.83	.99	1.00	31.7	9.3	2.97	.85	1.00	1.00
	1500	710	36.5	10.7	2.07	.84	.99	1.00	35.3	10.3	2.33	.86	1.00	1.00	34.1	10.0	2.63	.88	1.00	1.00	32.9	9.6	2.97	.90	1.00	1.00
67°F (19°C)	1100	520	36.9	10.8	2.07	.59	.73	.87	35.6	10.4	2.33	.59	.74	.89	34.1	10.0	2.63	.60	.76	.91	32.7	9.6	2.97	.61	.77	.93
	1300	615	37.8	11.1	2.08	.61	.77	.93	36.4	10.7	2.34	.62	.79	.95	34.9	10.2	2.63	.63	.81	.96	33.4	9.8	2.98	.64	.82	.98
	1500	710	38.4	11.3	2.08	.64	.82	.97	37.0	10.8	2.34	.65	.84	.99	35.5	10.4	2.64	.66	.85	1.00	34.0	10.0	2.98	.67	.87	1.00
71°F (22°C)	1100	520	39.5	11.6	2.09	.43	.57	.70	38.1	11.2	2.35	.43	.57	.71	36.6	10.7	2.65	.44	.58	.73	35.0	10.3	2.99	.44	.59	.75
	1300	615	40.3	11.8	2.10	.44	.60	.75	38.9	11.4	2.35	.44	.60	.76	37.3	10.9	2.65	.45	.62	.78	35.7	10.5	2.99	.45	.63	.80
	1500	710	41.0	12.0	2.10	.45	.62	.80	39.5	11.6	2.36	.46	.64	.81	37.9	11.1	2.66	.46	.65	.83	36.2	10.6	3.00	.47	.66	.85

HP27-036 — C33-62D COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	33.6	9.8	2.09	.74	.89	1.00	32.3	9.5	2.35	.76	.91	1.00	31.0	9.1	2.65	.77	.93	1.00	29.6	8.7	2.99	.79	.95	1.00
	1200	565	34.6	10.1	2.10	.79	.95	1.00	33.4	9.8	2.36	.81	.96	1.00	32.0	9.4	2.65	.82	.98	1.00	30.7	9.0	3.00	.84	1.00	1.00
	1400	660	35.6	10.4	2.10	.84	1.00	1.00	34.3	10.1	2.36	.85	1.00	1.00	33.1	9.7	2.66	.87	1.00	1.00	31.8	9.3	3.00	.89	1.00	1.00
67°F (19°C)	1000	470	35.8	10.5	2.10	.58	.72	.86	34.5	10.1	2.36	.59	.73	.87	33.1	9.7	2.66	.60	.74	.89	31.6	9.3	3.00	.60	.76	.91
	1200	565	36.8	10.8	2.11	.61	.77	.92	35.4	10.4	2.37	.61	.78	.93	33.9	9.9	2.67	.63	.80	.95	32.4	9.5	3.01	.64	.82	.98
	1400	660	37.5	11.0	2.12	.63	.81	.97	36.0	10.6	2.37	.65	.83	.99	34.5	10.1	2.67	.66	.85	1.00	33.0	9.7	3.01	.67	.87	1.00
71°F (22°C)	1000	470	38.3	11.2	2.12	.43	.56	.69	36.9	10.8	2.38	.43	.57	.70	35.4	10.4	2.68	.44	.58	.72	33.8	9.9	3.02	.44	.59	.74
	1200	565	39.2	11.5	2.13	.44	.59	.74	37.7	11.0	2.39	.44	.60	.76	36.2	10.6	2.68	.45	.61	.77	34.6	10.1	3.03	.45	.62	.79
	1400	660	39.9	11.7	2.14	.45	.62	.79	38.4	11.3	2.39	.46	.63	.81	36.8	10.8	2.69	.46	.64	.83	35.1	10.3	3.03	.47	.66	.85

HP27-036 - C26-65EAP HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.7	11.6	2.36	30.5	8.9	2.21	21.0	6.2	2.05	14.6	4.3	1.85	7.3	2.1	1.37
1300	615	40.2	11.8	2.26	31.0	9.1	2.11	21.5	6.3	1.95	15.1	4.4	1.75	7.8	2.3	1.27
1500	710	40.6	11.9	2.21	31.4	9.2	2.06	21.9	6.4	1.90	15.5	4.5	1.70	8.2	2.4	1.22

HP27-036 - C33-62D HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	40.2	11.8	2.51	30.8	9.0	2.30	20.8	6.1	2.04	14.5	4.2	1.94	7.3	2.1	1.45
1200	565	40.7	11.9	2.39	31.3	9.2	2.17	21.3	6.2	1.91	15.0	4.4	1.82	7.8	2.3	1.32
1400	660	41.1	12.0	2.30	31.7	9.3	2.09	21.7	6.4	1.83	15.4	4.5	1.73	8.2	2.4	1.24

HP27-036 - C26-65EAP HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.26	40.2	11.8
60	16	2.22	38.0	11.1
55	13	2.19	35.9	10.5
50	10	2.15	33.8	9.9
47	8	2.13	32.6	9.6
45	7	2.11	31.0	9.1
40	4	2.05	27.2	8.0
35	2	1.99	23.4	6.9
30	-1	1.97	22.4	6.6
25	-4	1.95	21.5	6.3
20	-7	1.93	20.5	6.0
17	-8	1.91	19.9	5.8
15	-9	1.90	19.1	5.6
10	-12	1.86	17.0	5.0
5	-15	1.75	15.1	4.4
0	-18	1.63	13.3	3.9
-5	-21	1.51	11.5	3.4
-10	-23	1.39	9.6	2.8
-15	-26	1.27	7.8	2.3
-20	-29	1.15	6.0	1.8

HP27-036 - C33-62D HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.39	40.7	11.9
60	16	2.35	38.5	11.3
55	13	2.31	36.4	10.7
50	10	2.27	34.2	10.0
47	8	2.24	32.9	9.6
45	7	2.17	31.3	9.2
40	4	1.99	27.2	8.0
35	2	1.81	23.1	6.8
30	-1	1.86	22.2	6.5
25	-4	1.91	21.3	6.2
20	-7	1.97	20.4	6.0
17	-8	2.00	19.9	5.8
15	-9	1.98	19.0	5.6
10	-12	1.94	16.9	5.0
5	-15	1.82	15.0	4.4
0	-18	1.69	13.2	3.9
-5	-21	1.57	11.4	3.3
-10	-23	1.45	9.6	2.8
-15	-26	1.32	7.8	2.3
-20	-29	1.20	6.0	1.8

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-036 — CR26-48N/W-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	33.9	9.9	2.05	.76	.91	1.00	32.8	9.6	2.31	.77	.92	1.00	31.5	9.2	2.61	.79	.94	1.00	30.2	8.9	2.96	.80	.96	1.00
	1300	615	34.9	10.2	2.06	.80	.96	1.00	33.7	9.9	2.32	.82	.98	1.00	32.5	9.5	2.62	.83	.99	1.00	31.2	9.1	2.96	.86	1.00	1.00
	1500	710	35.8	10.5	2.06	.85	.99	1.00	34.7	10.2	2.32	.86	1.00	1.00	33.5	9.8	2.62	.88	1.00	1.00	32.2	9.4	2.97	.90	1.00	1.00
67°F (19°C)	1100	520	36.1	10.6	2.07	.59	.73	.88	34.9	10.2	2.32	.59	.74	.89	33.5	9.8	2.62	.60	.76	.91	32.1	9.4	2.97	.61	.78	.93
	1300	615	36.9	10.8	2.07	.61	.78	.93	35.6	10.4	2.33	.62	.79	.95	34.2	10.0	2.63	.63	.81	.97	32.7	9.6	2.98	.64	.83	.98
	1500	710	37.5	11.0	2.08	.64	.82	.98	36.2	10.6	2.34	.65	.84	.99	34.7	10.2	2.64	.66	.86	1.00	33.2	9.7	2.98	.67	.88	1.00
71°F (22°C)	1100	520	38.6	11.3	2.08	.43	.57	.71	37.2	10.9	2.34	.44	.58	.72	35.8	10.5	2.64	.44	.59	.74	34.3	10.1	2.98	.44	.60	.76
	1300	615	39.4	11.5	2.09	.44	.60	.76	38.0	11.1	2.35	.44	.61	.77	36.5	10.7	2.64	.45	.62	.79	34.9	10.2	2.99	.46	.63	.81
	1500	710	39.9	11.7	2.09	.45	.63	.80	38.5	11.3	2.35	.46	.64	.82	37.0	10.8	2.65	.46	.65	.84	35.4	10.4	2.99	.47	.66	.86

HP27-036 — CR26-60N/W-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.6	10.1	2.06	.77	.92	1.00	33.4	9.8	2.32	.78	.94	1.00	32.1	9.4	2.62	.80	.95	1.00	30.7	9.0	2.97	.81	.97	1.00
	1300	615	35.6	10.4	2.07	.82	.97	1.00	34.4	10.1	2.33	.83	.99	1.00	33.2	9.7	2.63	.85	1.00	1.00	31.9	9.3	2.97	.86	1.00	1.00
	1500	710	36.7	10.8	2.07	.86	1.00	1.00	35.6	10.4	2.33	.88	1.00	1.00	34.3	10.1	2.63	.89	1.00	1.00	33.0	9.7	2.98	.92	1.00	1.00
67°F (19°C)	1100	520	36.8	10.8	2.08	.59	.74	.89	35.5	10.4	2.34	.60	.75	.90	34.1	10.0	2.63	.61	.77	.92	32.6	9.6	2.98	.62	.79	.94
	1300	615	37.6	11.0	2.08	.62	.79	.94	36.2	10.6	2.34	.63	.81	.96	34.8	10.2	2.64	.64	.82	.98	33.3	9.8	2.98	.65	.84	.99
	1500	710	38.2	11.2	2.09	.65	.84	.99	36.8	10.8	2.34	.66	.86	1.00	35.4	10.4	2.64	.67	.87	1.00	33.8	9.9	2.99	.69	.90	1.00
71°F (22°C)	1100	520	39.3	11.5	2.09	.44	.58	.72	37.9	11.1	2.35	.44	.58	.73	36.4	10.7	2.65	.44	.59	.75	34.8	10.2	2.99	.45	.61	.76
	1300	615	40.1	11.8	2.10	.45	.61	.77	38.6	11.3	2.36	.45	.62	.78	37.1	10.9	2.65	.45	.63	.80	35.5	10.4	3.00	.46	.64	.82
	1500	710	40.7	11.9	2.10	.46	.64	.82	39.2	11.5	2.36	.46	.65	.83	37.6	11.0	2.66	.47	.66	.85	35.9	10.5	3.00	.47	.68	.88

HP27-036 - CR26-48N/W-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.4	11.5	2.46	30.4	8.9	2.27	20.9	6.1	2.08	14.6	4.3	1.86	7.3	2.1	1.38
1300	615	39.9	11.7	2.36	30.9	9.1	2.18	21.4	6.3	1.99	15.1	4.4	1.76	7.8	2.3	1.29
1500	710	40.3	11.8	2.29	31.3	9.2	2.11	21.8	6.4	1.92	15.5	4.5	1.69	8.2	2.4	1.22

HP27-036 - CR26-60N/W-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.7	11.6	2.35	30.6	9.0	2.19	21.0	6.2	2.03	14.7	4.3	1.82	7.3	2.1	1.35
1300	615	40.2	11.8	2.26	31.1	9.1	2.10	21.5	6.3	1.93	15.2	4.5	1.73	7.8	2.3	1.26
1500	710	40.6	11.9	2.20	31.5	9.2	2.04	21.9	6.4	1.87	15.6	4.6	1.67	8.2	2.4	1.20

HP27-036 - CR26-48N/W-F HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.36	39.9	11.7
60	16	2.32	37.8	11.1
55	13	2.27	35.7	10.5
50	10	2.23	33.6	9.8
47	8	2.20	32.4	9.5
45	7	2.18	30.9	9.1
40	4	2.11	27.1	7.9
35	2	2.04	23.3	6.8
30	-1	2.02	22.3	6.5
25	-4	1.99	21.4	6.3
20	-7	1.96	20.4	6.0
17	-8	1.94	19.9	5.8
15	-9	1.93	19.0	5.6
10	-12	1.88	17.0	5.0
5	-15	1.76	15.1	4.4
0	-18	1.64	13.3	3.9
-5	-21	1.52	11.5	3.4
-10	-23	1.40	9.6	2.8
-15	-26	1.29	7.8	2.3
-20	-29	1.17	6.0	1.8

HP27-036 - CR26-60N/W-F HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.26	40.2	11.8
60	16	2.22	38.1	11.2
55	13	2.18	36.0	10.6
50	10	2.14	33.8	9.9
47	8	2.12	32.6	9.6
45	7	2.10	31.1	9.1
40	4	2.04	27.2	8.0
35	2	1.98	23.4	6.9
30	-1	1.96	22.4	6.6
25	-4	1.93	21.5	6.3
20	-7	1.91	20.5	6.0
17	-8	1.90	20.0	5.9
15	-9	1.88	19.1	5.6
10	-12	1.84	17.0	5.0
5	-15	1.73	15.2	4.5
0	-18	1.61	13.3	3.9
-5	-21	1.49	11.5	3.4
-10	-23	1.37	9.7	2.8
-15	-26	1.26	7.8	2.3
-20	-29	1.14	6.0	1.8

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-036 — CH33-44/48B-2F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	32.5	9.5	2.08	.75	.89	1.00	31.3	9.2	2.34	.76	.91	1.00	30.1	8.8	2.64	.77	.92	1.00	28.8	8.4	2.99	.78	.94	1.00
	1200	565	33.5	9.8	2.09	.79	.95	1.00	32.3	9.5	2.35	.80	.96	1.00	31.1	9.1	2.65	.82	.98	1.00	29.7	8.7	2.99	.84	1.00	1.00
	1400	660	34.4	10.1	2.09	.83	.99	1.00	33.2	9.7	2.35	.85	1.00	1.00	32.0	9.4	2.65	.87	1.00	1.00	30.8	9.0	3.00	.89	1.00	1.00
67°F (19°C)	1000	470	34.6	10.1	2.10	.58	.72	.86	33.4	9.8	2.35	.59	.73	.87	32.1	9.4	2.65	.59	.74	.89	30.6	9.0	3.00	.60	.76	.91
	1200	565	35.5	10.4	2.10	.61	.77	.92	34.2	10.0	2.36	.61	.78	.93	32.8	9.6	2.66	.63	.80	.95	31.3	9.2	3.00	.64	.82	.97
	1400	660	36.2	10.6	2.11	.63	.81	.97	34.8	10.2	2.37	.64	.83	.98	33.4	9.8	2.66	.66	.85	1.00	31.9	9.3	3.01	.67	.87	1.00
71°F (22°C)	1000	470	37.0	10.8	2.11	.43	.56	.69	35.7	10.5	2.37	.43	.57	.71	34.2	10.0	2.67	.44	.58	.72	32.7	9.6	3.02	.44	.59	.74
	1200	565	37.9	11.1	2.12	.44	.59	.74	36.5	10.7	2.38	.45	.60	.76	35.0	10.3	2.68	.45	.61	.77	33.4	9.8	3.02	.45	.62	.79
	1400	660	38.5	11.3	2.13	.45	.62	.79	37.1	10.9	2.38	.45	.63	.81	35.5	10.4	2.68	.46	.65	.82	33.9	9.9	3.02	.47	.66	.85

HP27-036 — CH23-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.2	10.0	2.05	.77	.92	1.00	33.0	9.7	2.31	.79	.94	1.00	31.7	9.3	2.61	.80	.96	1.00	30.4	8.9	2.96	.82	.98	1.00
	1300	615	35.2	10.3	2.06	.82	.98	1.00	34.0	10.0	2.32	.84	.99	1.00	32.8	9.6	2.62	.85	1.00	1.00	31.6	9.3	2.96	.87	1.00	1.00
	1500	710	36.3	10.6	2.06	.87	1.00	1.00	35.1	10.3	2.32	.88	1.00	1.00	33.9	9.9	2.62	.90	1.00	1.00	32.7	9.6	2.97	.92	1.00	1.00
67°F (19°C)	1100	520	36.3	10.6	2.07	.59	.75	.89	35.0	10.3	2.32	.60	.76	.91	33.6	9.8	2.62	.61	.78	.93	32.1	9.4	2.97	.62	.79	.95
	1300	615	37.1	10.9	2.07	.62	.80	.95	35.7	10.5	2.33	.63	.81	.97	34.3	10.1	2.63	.64	.83	.98	32.8	9.6	2.97	.66	.85	1.00
	1500	710	37.7	11.0	2.08	.65	.85	.99	36.3	10.6	2.33	.67	.86	1.00	34.9	10.2	2.63	.68	.88	1.00	33.4	9.8	2.97	.69	.90	1.00
71°F (22°C)	1100	520	38.7	11.3	2.08	.44	.58	.72	37.3	10.9	2.34	.44	.59	.74	35.8	10.5	2.64	.44	.60	.75	34.3	10.1	2.98	.45	.61	.77
	1300	615	39.5	11.6	2.09	.45	.61	.77	38.0	11.1	2.35	.45	.62	.79	36.5	10.7	2.64	.45	.63	.81	34.9	10.2	2.98	.46	.65	.83
	1500	710	40.0	11.7	2.09	.46	.65	.82	38.5	11.3	2.35	.46	.66	.84	37.0	10.8	2.65	.47	.67	.86	35.4	10.4	2.99	.47	.68	.88

HP27-036 - CH33-44/48B-2F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.9	11.7	2.63	30.6	9.0	2.37	20.8	6.1	2.08	14.6	4.3	1.95	7.3	2.1	1.47
1200	565	40.4	11.8	2.49	31.1	9.1	2.23	21.3	6.2	1.94	15.1	4.4	1.81	7.8	2.3	1.33
1400	660	40.9	12.0	2.40	31.6	9.3	2.14	21.8	6.4	1.85	15.6	4.6	1.72	8.3	2.4	1.24

HP27-036 - CH23-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.6	11.6	2.38	30.5	8.9	2.22	21.0	6.2	2.05	14.6	4.3	1.84	7.3	2.1	1.36
1300	615	40.1	11.8	2.29	31.0	9.1	2.12	21.5	6.3	1.95	15.1	4.4	1.74	7.8	2.3	1.27
1500	710	40.4	11.8	2.25	31.3	9.2	2.08	21.8	6.4	1.91	15.4	4.5	1.70	8.1	2.4	1.23

HP27-036 - CH33-44/48B-2F HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.49	40.4	11.8
60	16	2.44	38.3	11.2
55	13	2.39	36.1	10.6
50	10	2.34	34.0	10.0
47	8	2.31	32.7	9.6
45	7	2.23	31.1	9.1
40	4	2.04	27.0	7.9
35	2	1.85	23.0	6.7
30	-1	1.89	22.1	6.5
25	-4	1.94	21.3	6.2
20	-7	1.98	20.4	6.0
17	-8	2.01	19.9	5.8
15	-9	1.99	19.0	5.6
10	-12	1.94	16.9	5.0
5	-15	1.81	15.1	4.4
0	-18	1.69	13.2	3.9
-5	-21	1.57	11.4	3.3
-10	-23	1.45	9.6	2.8
-15	-26	1.33	7.8	2.3
-20	-29	1.20	6.0	1.8

HP27-036 - CH23-65 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.29	40.1	11.8
60	16	2.25	38.0	11.1
55	13	2.21	35.9	10.5
50	10	2.17	33.8	9.9
47	8	2.15	32.5	9.5
45	7	2.12	31.0	9.1
40	4	2.06	27.2	8.0
35	2	2.00	23.4	6.9
30	-1	1.98	22.4	6.6
25	-4	1.95	21.5	6.3
20	-7	1.93	20.5	6.0
17	-8	1.92	19.9	5.8
15	-9	1.90	19.1	5.6
10	-12	1.86	17.0	5.0
5	-15	1.74	15.1	4.4
0	-18	1.62	13.3	3.9
-5	-21	1.51	11.5	3.4
-10	-23	1.39	9.6	2.8
-15	-26	1.27	7.8	2.3
-20	-29	1.15	6.0	1.8

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-036 — CH33-50/60C-2F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	32.8	9.6	2.09	.74	.89	1.00	31.6	9.3	2.35	.76	.90	1.00	30.4	8.9	2.65	.77	.92	1.00	29.0	8.5	2.99	.79	.94	1.00
	1200	565	33.9	9.9	2.10	.79	.95	1.00	32.6	9.6	2.35	.80	.97	1.00	31.3	9.2	2.65	.82	.98	1.00	30.0	8.8	3.00	.84	1.00	1.00
	1400	660	34.8	10.2	2.10	.84	1.00	1.00	33.6	9.8	2.36	.85	1.00	1.00	32.4	9.5	2.66	.87	1.00	1.00	31.1	9.1	3.00	.89	1.00	1.00
67°F (19°C)	1000	470	35.0	10.3	2.10	.58	.72	.85	33.7	9.9	2.36	.59	.73	.87	32.4	9.5	2.66	.59	.74	.89	30.9	9.1	3.00	.60	.76	.91
	1200	565	36.0	10.6	2.11	.61	.77	.92	34.6	10.1	2.37	.62	.78	.93	33.2	9.7	2.66	.63	.80	.96	31.7	9.3	3.01	.64	.82	.98
	1400	660	36.7	10.8	2.12	.63	.81	.97	35.2	10.3	2.37	.65	.83	.99	33.8	9.9	2.67	.66	.85	1.00	32.2	9.4	3.01	.67	.87	1.00
71°F (22°C)	1000	470	37.4	11.0	2.12	.43	.56	.69	36.1	10.6	2.38	.43	.57	.70	34.6	10.1	2.68	.44	.58	.72	33.1	9.7	3.02	.44	.59	.74
	1200	565	38.4	11.3	2.13	.44	.59	.74	36.9	10.8	2.39	.45	.60	.76	35.4	10.4	2.68	.45	.61	.77	33.8	9.9	3.02	.45	.62	.79
	1400	660	39.0	11.4	2.14	.45	.62	.79	37.5	11.0	2.39	.46	.63	.81	36.0	10.6	2.69	.46	.65	.82	34.3	10.1	3.03	.47	.66	.85

HP27-036 — CH23-68 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	34.6	10.1	2.06	.77	.92	1.00	33.4	9.8	2.32	.78	.94	1.00	32.1	9.4	2.62	.80	.96	1.00	30.7	9.0	2.96	.82	.98	1.00
	1300	615	35.7	10.5	2.07	.82	.99	1.00	34.5	10.1	2.33	.84	1.00	1.00	33.3	9.8	2.63	.85	1.00	1.00	32.0	9.4	2.97	.87	1.00	1.00
	1500	710	37.0	10.8	2.08	.87	1.00	1.00	35.8	10.5	2.33	.89	1.00	1.00	34.5	10.1	2.63	.91	1.00	1.00	33.2	9.7	2.98	.93	1.00	1.00
67°F (19°C)	1100	520	36.9	10.8	2.08	.59	.75	.89	35.5	10.4	2.34	.60	.76	.91	34.1	10.0	2.63	.61	.77	.93	32.6	9.6	2.97	.62	.79	.95
	1300	615	37.8	11.1	2.09	.62	.80	.96	36.4	10.7	2.34	.63	.81	.97	34.9	10.2	2.64	.64	.83	.99	33.3	9.8	2.98	.66	.85	1.00
	1500	710	38.4	11.3	2.09	.66	.85	1.00	37.0	10.8	2.35	.67	.86	1.00	35.5	10.4	2.64	.68	.88	1.00	33.9	9.9	2.99	.69	.91	1.00
71°F (22°C)	1100	520	39.4	11.5	2.10	.43	.58	.72	38.0	11.1	2.35	.44	.58	.73	36.4	10.7	2.65	.44	.60	.75	34.9	10.2	2.99	.44	.60	.77
	1300	615	40.2	11.8	2.11	.45	.61	.77	38.7	11.3	2.36	.45	.62	.79	37.2	10.9	2.66	.45	.63	.81	35.5	10.4	3.00	.46	.65	.83
	1500	710	40.9	12.0	2.11	.46	.64	.82	39.3	11.5	2.37	.46	.66	.84	37.7	11.0	2.66	.47	.67	.86	36.0	10.6	3.00	.48	.69	.89

HP27-036 - CH33-50/60C-2F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	40.0	11.7	2.60	30.6	9.0	2.35	20.8	6.1	2.06	14.6	4.3	1.93	7.3	2.1	1.45
1200	565	40.5	11.9	2.47	31.1	9.1	2.21	21.3	6.2	1.93	15.1	4.4	1.80	7.8	2.3	1.31
1400	660	40.9	12.0	2.37	31.5	9.2	2.12	21.7	6.4	1.83	15.5	4.5	1.70	8.2	2.4	1.22

HP27-036 - CH23-68 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.9	11.7	2.30	30.7	9.0	2.15	21.0	6.2	2.00	14.7	4.3	1.80	7.3	2.1	1.33
1300	615	40.4	11.8	2.21	31.2	9.1	2.06	21.5	6.3	1.91	15.2	4.5	1.71	7.8	2.3	1.24
1500	710	40.7	11.9	2.17	31.5	9.2	2.02	21.8	6.4	1.87	15.5	4.5	1.67	8.1	2.4	1.20

HP27-036 - CH33-50/60C-2F HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.47	40.5	11.9
60	16	2.42	38.3	11.2
55	13	2.37	36.2	10.6
50	10	2.32	34.1	10.0
47	8	2.29	32.8	9.6
45	7	2.21	31.1	9.1
40	4	2.03	27.1	7.9
35	2	1.85	23.0	6.7
30	-1	1.89	22.1	6.5
25	-4	1.93	21.3	6.2
20	-7	1.96	20.4	6.0
17	-8	1.99	19.9	5.8
15	-9	1.97	19.1	5.6
10	-12	1.92	16.9	5.0
5	-15	1.80	15.1	4.4
0	-18	1.68	13.3	3.9
-5	-21	1.55	11.4	3.3
-10	-23	1.43	9.6	2.8
-15	-26	1.31	7.8	2.3
-20	-29	1.19	6.0	1.8

HP27-036 - CH23-68 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.21	40.4	11.8
60	16	2.18	38.2	11.2
55	13	2.14	36.1	10.6
50	10	2.11	34.0	10.0
47	8	2.09	32.7	9.6
45	7	2.06	31.2	9.1
40	4	2.01	27.3	8.0
35	2	1.95	23.5	6.9
30	-1	1.93	22.5	6.6
25	-4	1.91	21.5	6.3
20	-7	1.89	20.5	6.0
17	-8	1.88	20.0	5.9
15	-9	1.86	19.1	5.6
10	-12	1.83	17.0	5.0
5	-15	1.71	15.2	4.5
0	-18	1.59	13.3	3.9
-5	-21	1.48	11.5	3.4
-10	-23	1.36	9.7	2.8
-15	-26	1.24	7.8	2.3
-20	-29	1.13	6.0	1.8

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-042 — CB29M-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	40.4	11.8	2.77	.71	.85	.96	39.0	11.4	3.12	.72	.86	.97	37.5	11.0	3.52	.73	.87	.99	36.0	10.6	3.97	.75	.89	1.00
	1300	615	41.6	12.2	2.78	.75	.89	1.00	40.1	11.8	3.13	.76	.91	1.00	38.6	11.3	3.53	.78	.92	1.00	37.1	10.9	3.98	.79	.94	1.00
	1500	710	42.6	12.5	2.78	.78	.94	1.00	41.1	12.0	3.14	.80	.95	1.00	39.6	11.6	3.54	.81	.97	1.00	38.0	11.1	3.98	.83	.98	1.00
67°F (19°C)	1100	520	43.1	12.6	2.78	.56	.69	.81	41.6	12.2	3.14	.57	.70	.82	40.0	11.7	3.54	.57	.71	.84	38.3	11.2	3.99	.58	.72	.86
	1300	615	44.2	13.0	2.79	.58	.72	.86	42.6	12.5	3.15	.59	.74	.88	41.0	12.0	3.55	.60	.75	.89	39.2	11.5	4.00	.60	.77	.91
	1500	710	45.1	13.2	2.80	.60	.76	.91	43.4	12.7	3.15	.61	.77	.92	41.7	12.2	3.56	.62	.79	.94	40.0	11.7	4.01	.63	.81	.96
71°F (22°C)	1100	520	46.1	13.5	2.80	.43	.54	.66	44.5	13.0	3.16	.42	.55	.67	42.8	12.5	3.56	.43	.56	.68	41.0	12.0	4.02	.43	.56	.70
	1300	615	47.2	13.8	2.81	.43	.56	.70	45.5	13.3	3.17	.43	.57	.71	43.8	12.8	3.57	.44	.58	.72	41.9	12.3	4.03	.44	.59	.74
	1500	710	48.0	14.1	2.82	.44	.59	.74	46.3	13.6	3.17	.44	.60	.75	44.5	13.0	3.58	.44	.61	.77	42.6	12.5	4.03	.45	.62	.78

HP27-042 — CB30M-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	40.1	11.8	2.76	.71	.85	.96	38.7	11.3	3.11	.72	.86	.98	37.2	10.9	3.50	.73	.87	.99	35.7	10.5	3.95	.75	.89	1.00
	1300	615	41.3	12.1	2.76	.75	.89	1.00	39.8	11.7	3.12	.76	.91	1.00	38.3	11.2	3.51	.77	.93	1.00	36.8	10.8	3.96	.79	.94	1.00
	1500	710	42.2	12.4	2.77	.78	.94	1.00	40.8	12.0	3.12	.80	.95	1.00	39.3	11.5	3.52	.81	.97	1.00	37.7	11.0	3.97	.83	.98	1.00
67°F (19°C)	1100	520	42.8	12.5	2.77	.56	.69	.81	41.3	12.1	3.12	.57	.70	.82	39.7	11.6	3.52	.57	.71	.84	38.0	11.1	3.97	.58	.72	.86
	1300	615	43.8	12.8	2.78	.58	.72	.86	42.3	12.4	3.13	.59	.74	.88	40.6	11.9	3.53	.60	.75	.89	38.9	11.4	3.98	.60	.77	.91
	1500	710	44.7	13.1	2.78	.60	.76	.91	43.1	12.6	3.14	.61	.77	.92	41.4	12.1	3.54	.62	.79	.94	39.6	11.6	3.99	.63	.81	.96
71°F (22°C)	1100	520	45.7	13.4	2.79	.42	.54	.66	44.1	12.9	3.14	.43	.55	.67	42.5	12.5	3.54	.43	.56	.68	40.7	11.9	4.00	.43	.56	.70
	1300	615	46.8	13.7	2.80	.43	.56	.70	45.2	13.2	3.15	.43	.57	.71	43.4	12.7	3.56	.44	.58	.73	41.6	12.2	4.01	.44	.59	.74
	1500	710	47.6	14.0	2.80	.44	.59	.74	45.9	13.5	3.16	.44	.60	.75	44.1	12.9	3.56	.44	.61	.77	42.3	12.4	4.01	.45	.62	.78

HP27-042 - CB29M-51 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	47.0	13.8	3.37	36.8	10.8	3.05	25.9	7.6	2.72	19.1	5.6	2.43	9.4	2.8	1.83
1300	615	47.6	14.0	3.20	37.4	11.0	2.88	26.5	7.8	2.55	19.7	5.8	2.26	10.0	2.9	1.66
1500	710	48.0	14.1	3.08	37.8	11.1	2.76	26.9	7.9	2.43	20.1	5.9	2.14	10.4	3.0	1.54

HP27-042 - CB30M-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	46.8	13.7	3.25	36.5	10.7	2.96	25.5	7.5	2.65	18.6	5.5	2.38	9.3	2.7	1.79
1300	615	47.3	13.9	3.09	37.0	10.8	2.80	26.0	7.6	2.49	19.1	5.6	2.22	9.8	2.9	1.63
1500	710	47.8	14.0	2.98	37.5	11.0	2.69	26.5	7.8	2.38	19.6	5.7	2.11	10.3	3.0	1.52

HP27-042 - CB29M-51 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.20	47.6	14.0
60	16	3.13	45.3	13.3
55	13	3.05	43.0	12.6
50	10	2.98	40.7	11.9
47	8	2.94	39.3	11.5
45	7	2.88	37.4	11.0
40	4	2.74	32.7	9.6
35	2	2.59	28.0	8.2
30	-1	2.57	27.2	8.0
25	-4	2.55	26.5	7.8
20	-7	2.52	25.8	7.6
17	-8	2.51	25.3	7.4
15	-9	2.48	24.4	7.2
10	-12	2.41	22.1	6.5
5	-15	2.26	19.7	5.8
0	-18	2.11	17.3	5.1
-5	-21	1.96	14.8	4.3
-10	-23	1.81	12.4	3.6
-15	-26	1.66	10.0	2.9
-20	-29	1.51	7.6	2.2

HP27-042 - CB30M-41 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.09	47.3	13.9
60	16	3.03	44.9	13.2
55	13	2.96	42.6	12.5
50	10	2.90	40.2	11.8
47	8	2.86	38.8	11.4
45	7	2.80	37.0	10.8
40	4	2.67	32.3	9.5
35	2	2.54	27.6	8.1
30	-1	2.51	26.8	7.9
25	-4	2.49	26.0	7.6
20	-7	2.47	25.2	7.4
17	-8	2.46	24.8	7.3
15	-9	2.44	23.8	7.0
10	-12	2.37	21.5	6.3
5	-15	2.22	19.1	5.6
0	-18	2.07	16.8	4.9
-5	-21	1.92	14.4	4.2
-10	-23	1.77	12.1	3.5
-15	-26	1.63	9.8	2.9
-20	-29	1.48	7.4	2.2

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-042 — CB30U-41/46 - CB30M-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	40.1	11.8	2.76	.71	.85	.96	38.7	11.3	3.11	.72	.86	.98	37.2	10.9	3.50	.73	.87	.99	35.7	10.5	3.95	.75	.89	1.00
	1300	615	41.3	12.1	2.76	.75	.89	1.00	39.8	11.7	3.12	.76	.91	1.00	38.3	11.2	3.51	.77	.93	1.00	36.8	10.8	3.96	.79	.94	1.00
	1500	710	42.2	12.4	2.77	.78	.94	1.00	40.8	12.0	3.12	.80	.95	1.00	39.3	11.5	3.52	.81	.97	1.00	37.7	11.0	3.97	.83	.98	1.00
67°F (19°C)	1100	520	42.8	12.5	2.77	.56	.69	.81	41.3	12.1	3.12	.57	.70	.82	39.7	11.6	3.52	.57	.71	.84	38.0	11.1	3.97	.58	.72	.86
	1300	615	43.8	12.8	2.78	.58	.72	.86	42.3	12.4	3.13	.59	.74	.88	40.6	11.9	3.53	.60	.75	.89	38.9	11.4	3.98	.60	.77	.91
	1500	710	44.7	13.1	2.78	.60	.76	.91	43.1	12.6	3.14	.61	.77	.92	41.4	12.1	3.54	.62	.79	.94	39.6	11.6	3.99	.63	.81	.96
71°F (22°C)	1100	520	45.7	13.4	2.79	.42	.54	.66	44.1	12.9	3.14	.43	.55	.67	42.5	12.5	3.54	.43	.56	.68	40.7	11.9	4.00	.43	.56	.70
	1300	615	46.8	13.7	2.80	.43	.56	.70	45.2	13.2	3.15	.43	.57	.71	43.4	12.7	3.56	.44	.58	.73	41.6	12.2	4.01	.44	.59	.74
	1500	710	47.6	14.0	2.80	.44	.59	.74	45.9	13.5	3.16	.44	.60	.75	44.1	12.9	3.56	.44	.61	.77	42.3	12.4	4.01	.45	.62	.78

HP27-042 — CB31MV-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	39.8	11.7	2.76	.72	.85	.96	38.4	11.3	3.11	.72	.86	.97	37.0	10.8	3.50	.73	.87	.99	35.5	10.4	3.95	.75	.89	1.00
	1300	615	41.0	12.0	2.76	.75	.89	1.00	39.6	11.6	3.12	.76	.91	1.00	38.1	11.2	3.51	.77	.92	1.00	36.5	10.7	3.96	.79	.95	1.00
	1500	710	42.0	12.3	2.77	.78	.94	1.00	40.5	11.9	3.12	.80	.95	1.00	39.0	11.4	3.52	.81	.97	1.00	37.5	11.0	3.97	.83	.98	1.00
67°F (19°C)	1100	520	42.5	12.5	2.77	.56	.69	.81	41.0	12.0	3.12	.57	.70	.82	39.5	11.6	3.52	.57	.71	.84	37.8	11.1	3.97	.58	.72	.86
	1300	615	43.6	12.8	2.78	.58	.72	.86	42.0	12.3	3.13	.59	.74	.87	40.4	11.8	3.53	.60	.75	.89	38.7	11.3	3.98	.60	.76	.91
	1500	710	44.4	13.0	2.78	.60	.76	.91	42.8	12.5	3.14	.61	.77	.92	41.1	12.0	3.54	.62	.79	.94	39.4	11.5	3.99	.63	.81	.96
71°F (22°C)	1100	520	45.4	13.3	2.79	.43	.54	.66	43.9	12.9	3.14	.43	.55	.67	42.2	12.4	3.54	.43	.55	.68	40.4	11.8	4.00	.43	.56	.70
	1300	615	46.5	13.6	2.80	.43	.57	.70	44.9	13.2	3.15	.43	.57	.71	43.1	12.6	3.56	.44	.58	.73	41.3	12.1	4.01	.44	.59	.74
	1500	710	47.3	13.9	2.80	.44	.59	.74	45.6	13.4	3.16	.44	.60	.75	43.9	12.9	3.56	.44	.61	.77	42.0	12.3	4.01	.45	.62	.78

HP27-042 - CB30U-41/46 - CB30M-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	46.9	13.7	3.27	36.6	10.7	2.97	25.6	7.5	2.65	18.7	5.5	2.37	9.4	2.8	1.78
1300	615	47.3	13.9	3.11	37.0	10.8	2.81	26.0	7.6	2.49	19.1	5.6	2.21	9.8	2.9	1.62
1500	710	47.7	14.0	3.00	37.4	11.0	2.70	26.4	7.7	2.38	19.5	5.7	2.10	10.2	3.0	1.51

HP27-042 - CB31MV-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	46.9	13.7	3.29	36.6	10.7	3.00	25.6	7.5	2.69	18.7	5.5	2.41	9.4	2.8	1.82
1300	615	47.3	13.9	3.10	37.0	10.8	2.81	26.0	7.6	2.50	19.1	5.6	2.22	9.8	2.9	1.63
1500	710	47.7	14.0	2.97	37.4	11.0	2.68	26.4	7.7	2.37	19.5	5.7	2.09	10.2	3.0	1.50

HP27-042 - CB31MV-41 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.10	47.3	13.9
60	16	3.03	44.9	13.2
55	13	2.96	42.6	12.5
50	10	2.90	40.2	11.8
47	8	2.86	38.8	11.4
45	7	2.81	37.0	10.8
40	4	2.68	32.3	9.5
35	2	2.54	27.6	8.1
30	-1	2.52	26.8	7.9
25	-4	2.50	26.0	7.6
20	-7	2.48	25.2	7.4
17	-8	2.47	24.8	7.3
15	-9	2.44	23.8	7.0
10	-12	2.37	21.5	6.3
5	-15	2.22	19.1	5.6
0	-18	2.08	16.8	4.9
-5	-21	1.93	14.4	4.2
-10	-23	1.78	12.1	3.5
-15	-26	1.63	9.8	2.9
-20	-29	1.48	7.4	2.2

HP27-042 - CB30U-41/46 - CB30M-46 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.11	47.3	13.9
60	16	3.04	44.9	13.2
55	13	2.97	42.6	12.5
50	10	2.90	40.2	11.8
47	8	2.86	38.8	11.4
45	7	2.81	37.0	10.8
40	4	2.67	32.3	9.5
35	2	2.54	27.6	8.1
30	-1	2.51	26.8	7.9
25	-4	2.49	26.0	7.6
20	-7	2.47	25.2	7.4
17	-8	2.46	24.8	7.3
15	-9	2.43	23.8	7.0
10	-12	2.36	21.5	6.3
5	-15	2.21	19.1	5.6
0	-18	2.07	16.8	4.9
-5	-21	1.92	14.4	4.2
-10	-23	1.77	12.1	3.5
-15	-26	1.62	9.8	2.9
-20	-29	1.47	7.4	2.2

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-042 — CB30U-51 - CB30M-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	40.8	12.0	2.74	.71	.84	.96	39.4	11.5	3.09	.72	.86	.98	37.9	11.1	3.48	.73	.87	.99	36.3	10.6	3.93	.75	.89	1.00
	1300	615	42.1	12.3	2.75	.75	.89	1.00	40.6	11.9	3.10	.76	.91	1.00	39.0	11.4	3.49	.77	.93	1.00	37.4	11.0	3.94	.79	.94	1.00
	1500	710	43.2	12.7	2.76	.78	.94	1.00	41.6	12.2	3.11	.79	.95	1.00	40.0	11.7	3.50	.81	.97	1.00	38.4	11.3	3.95	.83	.99	1.00
67°F (19°C)	1100	520	43.7	12.8	2.76	.56	.68	.81	42.1	12.3	3.11	.57	.69	.82	40.5	11.9	3.51	.57	.70	.83	38.8	11.4	3.95	.58	.72	.85
	1300	615	44.9	13.2	2.77	.58	.72	.86	43.3	12.7	3.12	.59	.73	.87	41.6	12.2	3.51	.60	.75	.89	39.7	11.6	3.96	.60	.76	.91
	1500	710	45.9	13.5	2.77	.60	.76	.91	44.1	12.9	3.13	.61	.77	.92	42.4	12.4	3.52	.62	.79	.94	40.5	11.9	3.97	.63	.80	.96
71°F (22°C)	1100	520	46.8	13.7	2.78	.42	.54	.66	45.1	13.2	3.13	.43	.55	.67	43.4	12.7	3.53	.43	.55	.68	41.6	12.2	3.98	.43	.56	.69
	1300	615	48.0	14.1	2.79	.43	.56	.69	46.3	13.6	3.14	.43	.57	.71	44.5	13.0	3.54	.43	.58	.72	42.5	12.5	3.99	.44	.59	.74
	1500	710	48.9	14.3	2.79	.44	.59	.73	47.1	13.8	3.15	.44	.59	.75	45.2	13.2	3.54	.44	.60	.76	43.2	12.7	3.99	.45	.62	.78

HP27-042 — CB31MV-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	40.4	11.8	2.75	.71	.84	.96	39.0	11.4	3.10	.72	.86	.98	37.5	11.0	3.49	.73	.87	.99	35.9	10.5	3.93	.75	.89	1.00
	1300	615	41.7	12.2	2.75	.74	.89	1.00	40.2	11.8	3.10	.76	.91	1.00	38.6	11.3	3.50	.77	.92	1.00	37.0	10.8	3.95	.79	.94	1.00
	1500	710	42.7	12.5	2.76	.78	.94	1.00	41.2	12.1	3.11	.80	.95	1.00	39.6	11.6	3.51	.81	.97	1.00	38.0	11.1	3.96	.83	.99	1.00
67°F (19°C)	1100	520	43.2	12.7	2.76	.56	.69	.81	41.7	12.2	3.12	.56	.69	.82	40.1	11.8	3.51	.57	.70	.84	38.4	11.3	3.96	.58	.72	.85
	1300	615	44.4	13.0	2.78	.58	.72	.86	42.8	12.5	3.12	.59	.73	.87	41.1	12.0	3.52	.59	.75	.89	39.3	11.5	3.97	.60	.76	.91
	1500	710	45.4	13.3	2.78	.60	.76	.90	43.7	12.8	3.13	.61	.77	.92	41.9	12.3	3.53	.62	.79	.94	40.1	11.8	3.98	.63	.81	.96
71°F (22°C)	1100	520	46.3	13.6	2.79	.42	.54	.66	44.7	13.1	3.14	.43	.55	.66	42.9	12.6	3.54	.43	.55	.68	41.1	12.0	3.98	.43	.56	.69
	1300	615	47.5	13.9	2.79	.43	.56	.69	45.8	13.4	3.14	.43	.57	.71	44.0	12.9	3.54	.43	.58	.72	42.1	12.3	4.00	.44	.59	.74
	1500	710	48.4	14.2	2.80	.44	.59	.73	46.6	13.7	3.15	.44	.59	.75	44.7	13.1	3.55	.45	.61	.76	42.8	12.5	4.00	.45	.62	.78

HP27-042 - CB30U-51 - CB30M-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1100	520	47.1	13.8	3.19	36.7	10.8	2.94	25.7	7.5	2.67	18.7	5.5	2.41	9.4	2.8	1.80
1300	615	47.5	13.9	3.04	37.1	10.9	2.78	26.1	7.6	2.51	19.1	5.6	2.26	9.8	2.9	1.65
1500	710	47.9	14.0	2.92	37.5	11.0	2.67	26.5	7.8	2.40	19.5	5.7	2.14	10.2	3.0	1.53

HP27-042 - CB31MV-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1100	520	47.0	13.8	3.15	36.6	10.7	2.90	25.6	7.5	2.63	18.6	5.5	2.38	9.3	2.7	1.78
1300	615	47.5	13.9	3.01	37.1	10.9	2.76	26.1	7.6	2.49	19.1	5.6	2.24	9.8	2.9	1.64
1500	710	48.0	14.1	2.89	37.6	11.0	2.64	26.6	7.8	2.37	19.6	5.7	2.12	10.3	3.0	1.52

HP27-042 - CB30U-51 - CB30M-51 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.04	47.5	13.9
60	16	2.98	45.2	13.2
55	13	2.93	42.8	12.5
50	10	2.87	40.4	11.8
47	8	2.83	39.0	11.4
45	7	2.78	37.1	10.9
40	4	2.66	32.4	9.5
35	2	2.54	27.7	8.1
30	-1	2.52	26.9	7.9
25	-4	2.51	26.1	7.6
20	-7	2.50	25.3	7.4
17	-8	2.49	24.8	7.3
15	-9	2.47	23.8	7.0
10	-12	2.41	21.5	6.3
5	-15	2.26	19.1	5.6
0	-18	2.11	16.8	4.9
-5	-21	1.95	14.5	4.2
-10	-23	1.80	12.1	3.5
-15	-26	1.65	9.8	2.9
-20	-29	1.50	7.4	2.2

HP27-042 - CB31MV-51 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.01	47.5	13.9
60	16	2.96	45.2	13.2
55	13	2.90	42.8	12.5
50	10	2.85	40.4	11.8
47	8	2.81	39.0	11.4
45	7	2.76	37.1	10.9
40	4	2.64	32.4	9.5
35	2	2.52	27.7	8.1
30	-1	2.51	26.9	7.9
25	-4	2.49	26.1	7.6
20	-7	2.48	25.3	7.4
17	-8	2.47	24.8	7.3
15	-9	2.45	23.8	7.0
10	-12	2.39	21.5	6.3
5	-15	2.24	19.1	5.6
0	-18	2.09	16.8	4.9
-5	-21	1.94	14.5	4.2
-10	-23	1.79	12.1	3.5
-15	-26	1.64	9.8	2.9
-20	-29	1.49	7.4	2.2

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-042 — CVP10-41/EC10Q3 - CVP10-46/EC10Q4 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	39.4	11.5	2.76	.71	.85	.96	38.0	11.1	3.11	.72	.86	.97	36.6	10.7	3.51	.73	.87	.99	35.1	10.3	3.96	.75	.89	1.00
	1300	615	40.6	11.9	2.77	.75	.89	1.00	39.2	11.5	3.12	.76	.91	1.00	37.7	11.0	3.52	.77	.92	1.00	36.1	10.6	3.98	.79	.94	1.00
	1500	710	41.6	12.2	2.78	.78	.94	1.00	40.2	11.8	3.13	.80	.95	1.00	38.7	11.3	3.53	.81	.96	1.00	37.1	10.9	3.98	.83	.98	1.00
67°F (19°C)	1100	520	42.0	12.3	2.78	.56	.69	.81	40.6	11.9	3.13	.57	.69	.82	39.0	11.4	3.53	.57	.71	.84	37.4	11.0	3.98	.58	.72	.86
	1300	615	43.1	12.6	2.78	.58	.72	.86	41.6	12.2	3.14	.59	.73	.88	40.0	11.7	3.54	.60	.75	.89	38.3	11.2	3.99	.60	.77	.91
	1500	710	44.0	12.9	2.79	.60	.76	.91	42.4	12.4	3.14	.61	.77	.92	40.8	12.0	3.55	.62	.79	.94	39.0	11.4	4.00	.63	.81	.96
71°F (22°C)	1100	520	44.9	13.2	2.80	.43	.54	.66	43.4	12.7	3.15	.42	.55	.67	41.8	12.3	3.55	.43	.55	.68	40.0	11.7	4.00	.43	.56	.70
	1300	615	46.0	13.5	2.80	.43	.56	.70	44.4	13.0	3.16	.43	.57	.71	42.7	12.5	3.56	.44	.58	.72	40.9	12.0	4.02	.44	.59	.74
	1500	710	46.9	13.7	2.81	.44	.59	.74	45.2	13.2	3.16	.44	.60	.75	43.4	12.7	3.57	.44	.61	.77	41.6	12.2	4.02	.45	.62	.78

HP27-042 — CVP10-51/EC10Q4/5 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	39.3	11.5	2.76	.71	.84	.96	37.9	11.1	3.11	.72	.85	.97	36.4	10.7	3.51	.73	.87	.99	34.9	10.2	3.96	.74	.89	1.00
	1300	615	40.5	11.9	2.77	.74	.89	1.00	39.1	11.5	3.12	.76	.90	1.00	37.6	11.0	3.52	.77	.92	1.00	36.0	10.6	3.97	.78	.94	1.00
	1500	710	41.6	12.2	2.77	.78	.93	1.00	40.1	11.8	3.13	.79	.95	1.00	38.6	11.3	3.53	.81	.97	1.00	37.0	10.8	3.98	.83	.98	1.00
67°F (19°C)	1100	520	42.0	12.3	2.78	.56	.68	.81	40.5	11.9	3.13	.56	.69	.82	38.9	11.4	3.53	.57	.70	.84	37.3	10.9	3.99	.58	.72	.85
	1300	615	43.2	12.7	2.79	.58	.72	.85	41.6	12.2	3.14	.58	.73	.87	40.0	11.7	3.54	.59	.75	.89	38.3	11.2	3.99	.60	.76	.91
	1500	710	44.1	12.9	2.79	.60	.76	.90	42.5	12.5	3.15	.61	.77	.92	40.8	12.0	3.55	.62	.78	.94	39.0	11.4	4.00	.63	.80	.96
71°F (22°C)	1100	520	44.9	13.2	2.80	.42	.54	.66	43.4	12.7	3.15	.42	.54	.67	41.7	12.2	3.56	.43	.55	.68	40.0	11.7	4.01	.43	.56	.69
	1300	615	46.1	13.5	2.81	.43	.56	.69	44.5	13.0	3.16	.43	.57	.71	42.7	12.5	3.56	.44	.58	.72	40.9	12.0	4.01	.44	.59	.74
	1500	710	47.0	13.8	2.81	.44	.59	.73	45.3	13.3	3.17	.44	.59	.75	43.5	12.7	3.57	.44	.60	.76	41.7	12.2	4.02	.45	.61	.78

HP27-042 - CVP10-41/EC10Q3 - CVP10-46/EC10Q4 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	47.1	13.8	3.26	36.7	10.8	2.89	25.8	7.6	2.46	18.9	5.5	2.36	9.4	2.8	1.77
1300	615	47.6	14.0	3.11	37.2	10.9	2.74	26.3	7.7	2.31	19.4	5.7	2.21	9.9	2.9	1.62
1500	710	48.0	14.1	2.99	37.6	11.0	2.62	26.7	7.8	2.19	19.8	5.8	2.09	10.3	3.0	1.50

HP27-042 - CVP10-51/EC10Q4/5 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	49.8	14.6	3.23	39.5	11.6	2.94	28.5	8.4	2.63	21.6	6.3	2.36	12.1	3.5	1.77
1300	615	47.6	14.0	3.08	37.3	10.9	2.79	26.3	7.7	2.48	19.4	5.7	2.21	9.9	2.9	1.62
1500	710	48.1	14.1	2.97	37.8	11.1	2.68	26.8	7.9	2.38	19.9	5.8	2.11	10.4	3.0	1.51

HP27-042 - CVP10-41/EC10Q3 - CVP10-46/EC10Q4 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.11	47.6	14.0
60	16	3.04	45.2	13.2
55	13	2.97	42.9	12.6
50	10	2.90	40.5	11.9
47	8	2.86	39.1	11.5
45	7	2.74	37.2	10.9
40	4	2.43	32.5	9.5
35	2	2.13	27.8	8.1
30	-1	2.22	27.0	7.9
25	-4	2.31	26.3	7.7
20	-7	2.40	25.5	7.5
17	-8	2.45	25.0	7.3
15	-9	2.42	24.1	7.1
10	-12	2.35	21.7	6.4
5	-15	2.21	19.4	5.7
0	-18	2.06	17.0	5.0
-5	-21	1.91	14.6	4.3
-10	-23	1.77	12.3	3.6
-15	-26	1.62	9.9	2.9
-20	-29	1.47	7.5	2.2

HP27-042 - CVP10-51/EC10Q4/5 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.08	47.6	14.0
60	16	3.01	45.3	13.3
55	13	2.95	42.9	12.6
50	10	2.88	40.6	11.9
47	8	2.84	39.1	11.5
45	7	2.79	37.3	10.9
40	4	2.65	32.5	9.5
35	2	2.52	27.8	8.1
30	-1	2.50	27.0	7.9
25	-4	2.48	26.3	7.7
20	-7	2.46	25.5	7.5
17	-8	2.45	25.0	7.3
15	-9	2.42	24.1	7.1
10	-12	2.36	21.7	6.4
5	-15	2.21	19.4	5.7
0	-18	2.06	17.0	5.0
-5	-21	1.92	14.6	4.3
-10	-23	1.77	12.3	3.6
-15	-26	1.62	9.9	2.9
-20	-29	1.47	7.5	2.2

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-042 — C26-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	40.2	11.8	2.75	.72	.85	.96	38.8	11.4	3.10	.73	.86	.98	37.3	10.9	3.50	.74	.88	.99	35.7	10.5	3.95	.75	.90	1.00
	1300	615	41.4	12.1	2.76	.75	.90	1.00	39.9	11.7	3.11	.77	.91	1.00	38.4	11.3	3.51	.78	.93	1.00	36.9	10.8	3.96	.79	.95	1.00
	1500	710	42.4	12.4	2.77	.79	.94	1.00	41.0	12.0	3.12	.80	.96	1.00	39.4	11.5	3.52	.82	.97	1.00	37.9	11.1	3.96	.84	.99	1.00
67°F (19°C)	1100	520	42.8	12.5	2.77	.56	.69	.82	41.3	12.1	3.12	.57	.70	.83	39.7	11.6	3.52	.57	.71	.84	38.1	11.2	3.97	.58	.72	.86
	1300	615	43.9	12.9	2.78	.58	.73	.86	42.4	12.4	3.13	.59	.74	.88	40.7	11.9	3.53	.60	.75	.90	39.0	11.4	3.97	.61	.77	.92
	1500	710	44.8	13.1	2.79	.60	.77	.91	43.2	12.7	3.14	.61	.78	.93	41.5	12.2	3.54	.62	.80	.95	39.7	11.6	3.98	.63	.81	.97
71°F (22°C)	1100	520	45.8	13.4	2.79	.42	.54	.66	44.2	13.0	3.14	.43	.55	.67	42.5	12.5	3.54	.43	.56	.68	40.7	11.9	3.99	.43	.57	.70
	1300	615	46.9	13.7	2.80	.43	.57	.70	45.2	13.2	3.15	.43	.58	.72	43.5	12.7	3.55	.44	.58	.73	41.7	12.2	4.00	.44	.59	.75
	1500	710	47.7	14.0	2.80	.44	.59	.74	46.0	13.5	3.16	.44	.60	.76	44.2	13.0	3.56	.45	.61	.77	42.3	12.4	4.01	.45	.62	.79

HP27-042 — C33-50/60C COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	39.8	11.7	3.24	.72	.86	.97	38.4	11.3	3.67	.73	.87	.99	36.9	10.8	4.15	.74	.89	1.00	35.4	10.4	4.70	.76	.90	1.00
	1400	660	40.9	12.0	3.24	.75	.90	1.00	39.5	11.6	3.66	.77	.92	1.00	38.0	11.1	4.15	.78	.93	1.00	36.4	10.7	4.69	.79	.95	1.00
	1600	755	41.8	12.3	3.23	.79	.94	1.00	40.4	11.8	3.66	.80	.96	1.00	38.9	11.4	4.14	.82	.97	1.00	37.3	10.9	4.69	.83	.99	1.00
67°F (19°C)	1200	565	42.5	12.5	3.23	.57	.70	.82	41.1	12.0	3.65	.57	.71	.83	39.5	11.6	4.14	.58	.72	.85	37.9	11.1	4.68	.59	.73	.87
	1400	660	43.6	12.8	3.22	.59	.73	.87	42.0	12.3	3.65	.59	.74	.88	40.4	11.8	4.13	.60	.76	.90	38.7	11.3	4.68	.61	.77	.92
	1600	755	44.4	13.0	3.22	.61	.76	.91	42.8	12.5	3.64	.61	.78	.93	41.1	12.0	4.13	.62	.79	.94	39.4	11.5	4.67	.63	.81	.96
71°F (22°C)	1200	565	45.6	13.4	3.21	.43	.55	.67	44.0	12.9	3.64	.43	.55	.68	42.4	12.4	4.12	.43	.56	.69	40.6	11.9	4.66	.44	.57	.70
	1400	660	46.6	13.7	3.21	.43	.57	.70	45.0	13.2	3.63	.44	.57	.71	43.3	12.7	4.11	.44	.58	.73	41.5	12.2	4.65	.44	.59	.74
	1600	755	47.4	13.9	3.20	.44	.59	.74	45.8	13.4	3.63	.44	.60	.75	44.0	12.9	4.11	.45	.61	.77	42.2	12.4	4.65	.45	.62	.78

HP27-042 - C26-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	46.8	13.7	3.44	36.5	10.7	3.13	25.7	7.5	2.80	18.8	5.5	2.51	9.4	2.8	1.89
1300	615	47.3	13.9	3.23	37.0	10.8	2.92	26.2	7.7	2.59	19.3	5.7	2.30	9.9	2.9	1.68
1500	710	47.8	14.0	3.10	37.5	11.0	2.78	26.7	7.8	2.45	19.8	5.8	2.16	10.4	3.0	1.55

HP27-042 - C33-50/60C HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1200	565	41.6	12.2	3.41	38.7	11.3	3.10	35.7	10.5	2.76	30.6	9.0	2.52	19.7	5.8	1.88
1400	660	32.1	9.4	3.26	29.2	8.6	2.95	26.2	7.7	2.61	21.1	6.2	2.37	10.2	3.0	1.73
1600	755	42.6	12.5	3.15	39.7	11.6	2.84	36.7	10.8	2.50	31.6	9.3	2.26	20.7	6.1	1.62

HP27-042 - C26-46 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.23	47.3	13.9
60	16	3.16	45.0	13.2
55	13	3.09	42.6	12.5
50	10	3.02	40.3	11.8
47	8	2.98	38.9	11.4
45	7	2.92	37.0	10.8
40	4	2.78	32.3	9.5
35	2	2.63	27.7	8.1
30	-1	2.61	26.9	7.9
25	-4	2.59	26.2	7.7
20	-7	2.56	25.4	7.4
17	-8	2.55	25.0	7.3
15	-9	2.52	24.0	7.0
10	-12	2.45	21.7	6.4
5	-15	2.30	19.3	5.7
0	-18	2.14	17.0	5.0
-5	-21	1.99	14.6	4.3
-10	-23	1.84	12.2	3.6
-15	-26	1.68	9.9	2.9
-20	-29	1.53	7.5	2.2

HP27-042 - C33-50/60C HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.26	32.1	9.4
60	16	3.19	31.4	9.2
55	13	3.13	30.6	9.0
50	10	3.06	29.9	8.8
47	8	3.02	29.4	8.6
45	7	2.95	29.2	8.6
40	4	2.78	28.6	8.4
35	2	2.60	27.9	8.2
30	-1	2.61	27.1	7.9
25	-4	2.61	26.2	7.7
20	-7	2.62	25.4	7.4
17	-8	2.62	24.9	7.3
15	-9	2.59	24.6	7.2
10	-12	2.53	23.8	7.0
5	-15	2.37	21.1	6.2
0	-18	2.21	18.4	5.4
-5	-21	2.05	15.7	4.6
-10	-23	1.89	12.9	3.8
-15	-26	1.73	10.2	3.0
-20	-29	1.57	7.5	2.2

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-042 — C26-51/65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	40.8	12.0	2.75	.71	.85	.96	39.4	11.5	3.10	.72	.86	.98	37.9	11.1	3.50	.73	.87	.99	36.3	10.6	3.94	.75	.89	1.00
	1300	615	42.1	12.3	2.76	.75	.90	1.00	40.6	11.9	3.11	.76	.91	1.00	39.1	11.5	3.51	.78	.93	1.00	37.4	11.0	3.95	.79	.95	1.00
	1500	710	43.2	12.7	2.77	.79	.94	1.00	41.7	12.2	3.12	.80	.96	1.00	40.1	11.8	3.52	.82	.97	1.00	38.4	11.3	3.96	.83	.99	1.00
67°F (19°C)	1100	520	43.6	12.8	2.77	.56	.69	.81	42.1	12.3	3.12	.57	.70	.82	40.4	11.8	3.52	.57	.71	.84	38.7	11.3	3.96	.58	.72	.86
	1300	615	44.8	13.1	2.78	.58	.72	.86	43.2	12.7	3.13	.59	.74	.88	41.5	12.2	3.53	.60	.75	.89	39.7	11.6	3.98	.60	.77	.92
	1500	710	45.7	13.4	2.78	.60	.76	.91	44.0	12.9	3.14	.61	.78	.93	42.3	12.4	3.54	.62	.79	.95	40.4	11.8	3.99	.63	.81	.97
71°F (22°C)	1100	520	46.7	13.7	2.79	.42	.54	.66	45.0	13.2	3.14	.42	.55	.67	43.3	12.7	3.54	.43	.55	.68	41.5	12.2	3.99	.43	.56	.69
	1300	615	47.9	14.0	2.80	.43	.57	.70	46.1	13.5	3.15	.43	.57	.71	44.3	13.0	3.55	.44	.58	.73	42.4	12.4	4.00	.44	.59	.74
	1500	710	48.8	14.3	2.80	.44	.59	.74	47.0	13.8	3.16	.44	.60	.75	45.1	13.2	3.56	.45	.61	.77	43.2	12.7	4.01	.45	.62	.79

HP27-042 — C33-60D COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	39.9	11.7	3.25	.72	.86	.97	38.5	11.3	3.67	.73	.87	.99	37.0	10.8	4.16	.74	.89	1.00	35.5	10.4	4.71	.76	.90	1.00
	1400	660	41.0	12.0	3.24	.75	.90	1.00	39.6	11.6	3.67	.77	.92	1.00	38.1	11.2	4.15	.78	.93	1.00	36.5	10.7	4.70	.80	.95	1.00
	1600	755	42.0	12.3	3.24	.78	.94	1.00	40.5	11.9	3.66	.80	.96	1.00	39.0	11.4	4.15	.81	.97	1.00	37.4	11.0	4.69	.83	.99	1.00
67°F (19°C)	1200	565	42.7	12.5	3.23	.57	.70	.82	41.2	12.1	3.66	.57	.70	.83	39.7	11.6	4.14	.58	.71	.85	38.0	11.1	4.69	.59	.73	.87
	1400	660	43.8	12.8	3.23	.59	.73	.87	42.2	12.4	3.65	.59	.74	.88	40.6	11.9	4.14	.60	.75	.90	38.9	11.4	4.68	.61	.77	.92
	1600	755	44.6	13.1	3.22	.60	.76	.91	43.0	12.6	3.65	.61	.78	.93	41.3	12.1	4.13	.62	.79	.94	39.6	11.6	4.68	.63	.81	.96
71°F (22°C)	1200	565	45.8	13.4	3.22	.43	.55	.67	44.2	13.0	3.64	.43	.55	.68	42.5	12.5	4.12	.43	.56	.69	40.8	12.0	4.67	.43	.57	.70
	1400	660	46.8	13.7	3.21	.43	.57	.70	45.2	13.2	3.64	.44	.57	.71	43.5	12.7	4.12	.44	.58	.73	41.7	12.2	4.66	.44	.59	.74
	1600	755	47.7	14.0	3.21	.44	.59	.73	46.0	13.5	3.63	.44	.60	.75	44.2	13.0	4.11	.45	.61	.77	42.4	12.4	4.66	.45	.62	.78

HP27-042 - C26-51/65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	46.8	13.7	3.36	36.6	10.7	3.07	25.7	7.5	2.76	18.9	5.5	2.49	9.4	2.8	1.88
1300	615	47.3	13.9	3.15	37.1	10.9	2.86	26.2	7.7	2.55	19.4	5.7	2.28	9.9	2.9	1.67
1500	710	47.8	14.0	3.01	37.6	11.0	2.72	26.7	7.8	2.42	19.9	5.8	2.15	10.4	3.0	1.54

HP27-042 - C33-60D HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1200	565	47.6	14.0	3.36	37.0	10.8	3.06	25.7	7.5	2.73	18.6	5.5	2.49	9.2	2.7	1.86
1400	660	48.2	14.1	3.22	37.6	11.0	2.92	26.3	7.7	2.59	19.2	5.6	2.35	9.8	2.9	1.72
1600	755	48.6	14.2	3.11	38.0	11.1	2.80	26.7	7.8	2.47	19.6	5.7	2.23	10.2	3.0	1.60

HP27-042 - C26-51/65 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.15	47.3	13.9
60	16	3.08	45.0	13.2
55	13	3.02	42.7	12.5
50	10	2.95	40.4	11.8
47	8	2.91	39.0	11.4
45	7	2.86	37.1	10.9
40	4	2.72	32.4	9.5
35	2	2.59	27.7	8.1
30	-1	2.57	27.0	7.9
25	-4	2.55	26.2	7.7
20	-7	2.54	25.5	7.5
17	-8	2.53	25.0	7.3
15	-9	2.50	24.1	7.1
10	-12	2.44	21.7	6.4
5	-15	2.28	19.4	5.7
0	-18	2.13	17.0	5.0
-5	-21	1.98	14.6	4.3
-10	-23	1.82	12.2	3.6
-15	-26	1.67	9.9	2.9
-20	-29	1.52	7.5	2.2

HP27-042 - C33-60D HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.22	48.2	14.1
60	16	3.16	45.8	13.4
55	13	3.09	43.4	12.7
50	10	3.03	41.0	12.0
47	8	2.99	39.5	11.6
45	7	2.92	37.6	11.0
40	4	2.75	32.8	9.6
35	2	2.58	28.0	8.2
30	-1	2.58	27.1	7.9
25	-4	2.59	26.3	7.7
20	-7	2.59	25.4	7.4
17	-8	2.59	24.9	7.3
15	-9	2.57	24.0	7.0
10	-12	2.50	21.5	6.3
5	-15	2.35	19.2	5.6
0	-18	2.19	16.9	5.0
-5	-21	2.03	14.5	4.2
-10	-23	1.87	12.2	3.6
-15	-26	1.72	9.8	2.9
-20	-29	1.56	7.5	2.2

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-042 — C26-65EAP COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	41.0	12.0	2.74	.70	.83	.95	39.5	11.6	3.09	.71	.85	.96	38.0	11.1	3.49	.72	.86	.98	36.4	10.7	3.94	.73	.88	.99
	1300	615	42.3	12.4	2.76	.73	.88	.99	40.8	12.0	3.11	.74	.89	1.00	39.2	11.5	3.50	.76	.91	1.00	37.6	11.0	3.95	.77	.93	1.00
	1500	710	43.3	12.7	2.76	.77	.92	1.00	41.8	12.3	3.11	.78	.94	1.00	40.2	11.8	3.51	.79	.95	1.00	38.5	11.3	3.95	.81	.97	1.00
67°F (19°C)	1100	520	44.0	12.9	2.76	.55	.68	.79	42.4	12.4	3.11	.56	.68	.81	40.8	12.0	3.51	.57	.69	.82	39.1	11.5	3.96	.57	.71	.84
	1300	615	45.2	13.2	2.77	.57	.71	.84	43.6	12.8	3.12	.58	.72	.86	41.9	12.3	3.52	.59	.73	.87	40.1	11.8	3.97	.60	.75	.89
	1500	710	46.2	13.5	2.78	.59	.74	.89	44.5	13.0	3.13	.60	.76	.90	42.8	12.5	3.53	.61	.77	.92	40.9	12.0	3.98	.62	.79	.94
71°F (22°C)	1100	520	47.2	13.8	2.78	.42	.53	.65	45.5	13.3	3.13	.42	.54	.66	43.8	12.8	3.54	.42	.55	.67	42.0	12.3	3.99	.43	.55	.68
	1300	615	48.5	14.2	2.79	.43	.55	.68	46.7	13.7	3.15	.43	.56	.69	44.9	13.2	3.55	.43	.57	.71	43.0	12.6	3.99	.43	.58	.72
	1500	710	49.5	14.5	2.80	.43	.57	.72	47.7	14.0	3.15	.44	.58	.73	45.8	13.4	3.55	.44	.59	.74	43.8	12.8	4.00	.44	.61	.76

HP27-042 — C33-62D COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	40.6	11.9	3.25	.72	.86	.98	39.2	11.5	3.68	.73	.87	.99	37.7	11.0	4.17	.74	.88	1.00	36.1	10.6	4.71	.75	.90	1.00
	1400	660	41.8	12.3	3.24	.75	.90	1.00	40.3	11.8	3.67	.77	.91	1.00	38.7	11.3	4.16	.78	.93	1.00	37.2	10.9	4.71	.79	.95	1.00
	1600	755	42.8	12.5	3.24	.78	.94	1.00	41.2	12.1	3.67	.80	.96	1.00	39.7	11.6	4.15	.81	.97	1.00	38.1	11.2	4.70	.83	.99	1.00
67°F (19°C)	1200	565	43.5	12.7	3.24	.57	.69	.82	42.0	12.3	3.66	.57	.70	.83	40.4	11.8	4.15	.58	.72	.85	38.7	11.3	4.70	.58	.73	.87
	1400	660	44.6	13.1	3.23	.58	.73	.86	43.0	12.6	3.66	.59	.74	.88	41.4	12.1	4.14	.60	.75	.90	39.6	11.6	4.69	.61	.77	.92
	1600	755	45.5	13.3	3.23	.60	.76	.91	43.8	12.8	3.65	.61	.77	.93	42.1	12.3	4.14	.62	.79	.94	40.3	11.8	4.68	.63	.81	.96
71°F (22°C)	1200	565	46.7	13.7	3.22	.43	.55	.67	45.0	13.2	3.65	.43	.55	.68	43.3	12.7	4.13	.43	.56	.69	41.6	12.2	4.67	.43	.57	.70
	1400	660	47.8	14.0	3.22	.43	.57	.70	46.1	13.5	3.64	.44	.57	.71	44.4	13.0	4.12	.44	.58	.73	42.5	12.5	4.67	.44	.59	.74
	1600	755	48.7	14.3	3.21	.44	.59	.73	47.0	13.8	3.64	.44	.60	.75	45.1	13.2	4.12	.45	.61	.77	43.2	12.7	4.66	.45	.62	.78

HP27-042 - C26-65EAP HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	47.1	13.8	3.22	36.7	10.8	2.98	25.8	7.6	2.71	18.9	5.5	2.46
1300	615	47.6	14.0	3.05	37.2	10.9	2.80	26.3	7.7	2.53	19.4	5.7	2.29
1500	710	48.1	14.1	2.92	37.7	11.0	2.68	26.8	7.9	2.41	19.9	5.8	2.16

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		-15°F (-26°C)											
		Total Heating Capacity		Comp. Motor kW Input									
cfm	L/s	kBtuh	kW										
1100	520	9.4	2.8	1.84									
1300	615	9.9	2.9	1.67									
1500	710	10.4	3.0	1.54									

HP27-042 - C33-62D HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1200	565	47.8	14.0	3.36	37.1	10.9	3.06	25.8	7.6	2.74	18.7	5.5	2.50
1400	660	48.3	14.2	3.22	37.6	11.0	2.92	26.3	7.7	2.59	19.2	5.6	2.35
1600	755	48.7	14.3	3.11	38.0	11.1	2.81	26.7	7.8	2.48	19.6	5.7	2.24

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil			
		-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	
cfm	L/s	kBtuh	kW		
1200	565	9.3	2.7	1.87	
1400	660	9.8	2.9	1.72	
1600	755	10.2	3.0	1.61	

HP27-042 - C26-65EAP - HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.05	47.6	14.0
60	16	2.99	45.2	13.2
55	13	2.94	42.9	12.6
50	10	2.88	40.5	11.9
47	8	2.85	39.1	11.5
45	7	2.80	37.2	10.9
40	4	2.68	32.5	9.5
35	2	2.55	27.8	8.1
30	-1	2.54	27.0	7.9
25	-4	2.53	26.3	7.7
20	-7	2.53	25.5	7.5
17	-8	2.52	25.1	7.4
15	-9	2.50	24.1	7.1
10	-12	2.44	21.8	6.4
5	-15	2.29	19.4	5.7
0	-18	2.13	17.0	5.0
-5	-21	1.98	14.7	4.3
-10	-23	1.82	12.3	3.6
-15	-26	1.67	9.9	2.9
-20	-29	1.51	7.5	2.2

HP27-042 - C33-62D HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.22	48.3	14.2
60	16	3.15	45.8	13.4
55	13	3.09	43.4	12.7
50	10	3.03	41.0	12.0
47	8	2.99	39.5	11.6
45	7	2.92	37.6	11.0
40	4	2.75	32.8	9.6
35	2	2.58	28.0	8.2
30	-1	2.58	27.1	7.9
25	-4	2.59	26.3	7.7
20	-7	2.60	25.4	7.4
17	-8	2.60	24.9	7.3
15	-9	2.58	23.9	7.0
10	-12	2.51	21.5	6.3
5	-15	2.35	19.2	5.6
0	-18	2.20	16.8	4.9
-5	-21	2.04	14.5	4.2
-10	-23	1.88	12.2	3.6
-15	-26	1.72	9.8	2.9
-20	-29	1.56	7.5	2.2

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-042 — CR26-48N/W-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	39.3	11.5	2.76	.71	.84	.95	38.0	11.1	3.11	.72	.85	.97	36.5	10.7	3.51	.73	.87	.98	35.0	10.3	3.96	.74	.88	.99
	1300	615	40.5	11.9	2.77	.74	.88	.99	39.1	11.5	3.12	.75	.90	1.00	37.6	11.0	3.53	.76	.91	1.00	36.0	10.6	3.98	.78	.93	1.00
	1500	710	41.4	12.1	2.78	.77	.93	1.00	40.0	11.7	3.13	.78	.94	1.00	38.5	11.3	3.53	.80	.96	1.00	36.9	10.8	3.98	.82	.97	1.00
67°F (19°C)	1100	520	42.1	12.3	2.78	.56	.68	.80	40.6	11.9	3.13	.56	.69	.82	39.1	11.5	3.53	.57	.70	.83	37.4	11.0	3.99	.57	.71	.85
	1300	615	43.1	12.6	2.79	.58	.71	.85	41.6	12.2	3.14	.58	.73	.87	40.0	11.7	3.54	.59	.74	.88	38.3	11.2	3.99	.60	.75	.90
	1500	710	44.0	12.9	2.79	.59	.75	.89	42.4	12.4	3.15	.60	.76	.91	40.7	11.9	3.55	.61	.78	.93	39.0	11.4	4.00	.62	.79	.95
71°F (22°C)	1100	520	45.0	13.2	2.80	.42	.54	.65	43.4	12.7	3.15	.42	.54	.66	41.8	12.3	3.55	.43	.55	.67	40.1	11.8	4.01	.43	.56	.69
	1300	615	46.1	13.5	2.80	.43	.56	.69	44.5	13.0	3.16	.43	.56	.70	42.7	12.5	3.57	.43	.57	.71	41.0	12.0	4.02	.44	.58	.73
	1500	710	46.9	13.7	2.81	.43	.58	.72	45.2	13.2	3.17	.44	.59	.74	43.5	12.7	3.57	.44	.60	.75	41.7	12.2	4.02	.44	.61	.77

HP27-042 — CR26-60N/W-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	40.4	11.8	2.75	.71	.84	.96	39.0	11.4	3.10	.72	.86	.97	37.5	11.0	3.50	.73	.87	.99	35.9	10.5	3.94	.75	.89	1.00
	1300	615	41.7	12.2	2.76	.75	.89	1.00	40.2	11.8	3.11	.76	.91	1.00	38.6	11.3	3.51	.77	.92	1.00	37.0	10.8	3.95	.79	.94	1.00
	1500	710	42.7	12.5	2.77	.78	.94	1.00	41.2	12.1	3.12	.80	.95	1.00	39.6	11.6	3.52	.81	.97	1.00	38.0	11.1	3.96	.83	.99	1.00
67°F (19°C)	1100	520	43.2	12.7	2.77	.56	.69	.81	41.7	12.2	3.12	.56	.69	.82	40.1	11.8	3.52	.57	.71	.84	38.4	11.3	3.96	.58	.72	.85
	1300	615	44.4	13.0	2.78	.58	.72	.86	42.8	12.5	3.13	.59	.73	.87	41.1	12.0	3.53	.59	.75	.89	39.3	11.5	3.97	.60	.76	.91
	1500	710	45.3	13.3	2.78	.60	.76	.91	43.6	12.8	3.13	.61	.77	.92	41.9	12.3	3.53	.62	.79	.94	40.0	11.7	3.99	.63	.81	.96
71°F (22°C)	1100	520	46.2	13.5	2.79	.42	.54	.66	44.6	13.1	3.14	.43	.55	.67	42.9	12.6	3.54	.43	.55	.68	41.1	12.0	3.99	.43	.56	.69
	1300	615	47.4	13.9	2.80	.43	.56	.70	45.7	13.4	3.15	.43	.57	.71	43.9	12.9	3.55	.44	.58	.72	42.1	12.3	4.00	.44	.59	.74
	1500	710	48.3	14.2	2.80	.44	.59	.73	46.5	13.6	3.15	.44	.60	.75	44.7	13.1	3.56	.45	.60	.77	42.7	12.5	4.01	.45	.62	.78

HP27-042 - CR26-48N/W-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	46.7	13.7	3.41	36.5	10.7	3.08	25.8	7.6	2.73	19.0	5.6	2.43	9.4	2.8	1.83
1300	615	47.2	13.8	3.25	37.0	10.8	2.92	26.3	7.7	2.57	19.5	5.7	2.27	9.9	2.9	1.67
1500	710	47.7	14.0	3.13	37.5	11.0	2.80	26.8	7.9	2.45	20.0	5.9	2.15	10.4	3.0	1.55

HP27-042 - CR26-60N/W-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	47.1	13.8	3.22	36.8	10.8	2.94	25.8	7.6	2.63	18.8	5.5	2.37	9.4	2.8	1.77
1300	615	47.6	14.0	3.06	37.3	10.9	2.78	26.3	7.7	2.48	19.3	5.7	2.21	9.9	2.9	1.62
1500	710	48.1	14.1	2.96	37.8	11.1	2.68	26.8	7.9	2.37	19.8	5.8	2.11	10.4	3.0	1.51

HP27-042 - CR26-48N/W-F HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.25	47.2	13.8
60	16	3.17	44.9	13.2
55	13	3.10	42.6	12.5
50	10	3.02	40.3	11.8
47	8	2.98	38.9	11.4
45	7	2.92	37.0	10.8
40	4	2.77	32.4	9.5
35	2	2.62	27.7	8.1
30	-1	2.60	27.0	7.9
25	-4	2.57	26.3	7.7
20	-7	2.54	25.5	7.5
17	-8	2.52	25.1	7.4
15	-9	2.49	24.2	7.1
10	-12	2.42	21.9	6.4
5	-15	2.27	19.5	5.7
0	-18	2.12	17.1	5.0
-5	-21	1.97	14.7	4.3
-10	-23	1.82	12.3	3.6
-15	-26	1.67	9.9	2.9
-20	-29	1.52	7.5	2.2

HP27-042 - CR26-60N/W-F HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.06	47.6	14.0
60	16	3.00	45.3	13.3
55	13	2.94	42.9	12.6
50	10	2.87	40.6	11.9
47	8	2.83	39.2	11.5
45	7	2.78	37.3	10.9
40	4	2.65	32.5	9.5
35	2	2.51	27.8	8.1
30	-1	2.50	27.0	7.9
25	-4	2.48	26.3	7.7
20	-7	2.46	25.5	7.5
17	-8	2.45	25.0	7.3
15	-9	2.42	24.1	7.1
10	-12	2.36	21.7	6.4
5	-15	2.21	19.3	5.7
0	-18	2.06	17.0	5.0
-5	-21	1.91	14.6	4.3
-10	-23	1.77	12.2	3.6
-15	-26	1.62	9.9	2.9
-20	-29	1.47	7.5	2.2

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-042 — CH33-44/48B-2F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	39.2	11.5	3.25	.72	.86	.97	37.9	11.1	3.68	.73	.87	.99	36.5	10.7	4.16	.75	.89	1.00	35.0	10.3	4.71	.76	.90	1.00
	1400	660	40.3	11.8	3.24	.75	.90	1.00	38.9	11.4	3.67	.77	.92	1.00	37.5	11.0	4.16	.78	.93	1.00	36.0	10.6	4.70	.80	.95	1.00
	1600	755	41.3	12.1	3.24	.79	.94	1.00	39.8	11.7	3.67	.80	.96	1.00	38.4	11.3	4.15	.82	.97	1.00	36.8	10.8	4.70	.83	.99	1.00
67°F (19°C)	1200	565	42.0	12.3	3.24	.57	.69	.82	40.5	11.9	3.66	.57	.71	.84	39.0	11.4	4.15	.58	.72	.85	37.4	11.0	4.69	.59	.73	.87
	1400	660	43.0	12.6	3.23	.58	.73	.87	41.5	12.2	3.66	.59	.74	.88	39.9	11.7	4.14	.60	.75	.90	38.2	11.2	4.69	.61	.77	.92
	1600	755	43.8	12.8	3.23	.60	.76	.91	42.2	12.4	3.65	.61	.78	.92	40.6	11.9	4.14	.62	.79	.94	38.9	11.4	4.68	.63	.81	.96
71°F (22°C)	1200	565	45.0	13.2	3.22	.43	.55	.67	43.4	12.7	3.65	.43	.55	.68	41.8	12.3	4.13	.43	.56	.69	40.1	11.8	4.67	.43	.57	.70
	1400	660	46.0	13.5	3.22	.43	.57	.70	44.4	13.0	3.64	.44	.58	.71	42.7	12.5	4.12	.44	.58	.73	41.0	12.0	4.67	.44	.59	.74
	1600	755	46.8	13.7	3.21	.44	.59	.74	45.2	13.2	3.64	.44	.60	.75	43.4	12.7	4.12	.45	.61	.77	41.7	12.2	4.66	.45	.62	.78

HP27-042 — CH23-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	40.5	11.9	2.75	.72	.85	.97	39.1	11.5	3.11	.72	.86	.98	37.6	11.0	3.51	.74	.88	.99	36.0	10.6	3.95	.75	.90	1.00
	1300	615	41.8	12.3	2.77	.75	.90	1.00	40.3	11.8	3.12	.77	.91	1.00	38.8	11.4	3.51	.78	.93	1.00	37.2	10.9	3.96	.79	.95	1.00
	1500	710	42.8	12.5	2.77	.79	.94	1.00	41.3	12.1	3.12	.80	.96	1.00	39.8	11.7	3.52	.82	.97	1.00	38.2	11.2	3.97	.83	.99	1.00
67°F (19°C)	1100	520	43.2	12.7	2.77	.56	.69	.82	41.7	12.2	3.12	.57	.70	.83	40.1	11.8	3.53	.57	.71	.84	38.4	11.3	3.97	.58	.72	.86
	1300	615	44.4	13.0	2.78	.58	.73	.86	42.8	12.5	3.13	.59	.74	.88	41.1	12.0	3.53	.60	.75	.90	39.4	11.5	3.98	.61	.77	.92
	1500	710	45.2	13.2	2.79	.61	.77	.91	43.6	12.8	3.14	.61	.78	.93	41.9	12.3	3.54	.62	.79	.95	40.1	11.8	3.99	.64	.81	.97
71°F (22°C)	1100	520	46.2	13.5	2.79	.42	.54	.66	44.6	13.1	3.14	.43	.55	.67	42.9	12.6	3.55	.43	.56	.68	41.1	12.0	4.00	.43	.56	.70
	1300	615	47.4	13.9	2.80	.43	.57	.70	45.7	13.4	3.15	.43	.57	.71	43.9	12.9	3.56	.44	.58	.73	42.0	12.3	4.00	.44	.59	.74
	1500	710	48.2	14.1	2.81	.44	.59	.74	46.5	13.6	3.16	.44	.60	.76	44.7	13.1	3.56	.45	.61	.77	42.8	12.5	4.01	.45	.62	.79

HP27-042 - CH33-44/48B-2F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1200	565	47.7	14.0	3.35	37.1	10.9	3.06	25.8	7.6	2.74	18.7	5.5	2.51	9.3	2.7	1.87
1400	660	48.2	14.1	3.20	37.6	11.0	2.91	26.3	7.7	2.59	19.2	5.6	2.36	9.8	2.9	1.72
1600	755	48.7	14.3	3.09	38.1	11.2	2.80	26.8	7.9	2.48	19.7	5.8	2.25	10.3	3.0	1.61

HP27-042 - CH23-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	47.0	13.8	3.26	36.7	10.8	2.96	25.8	7.6	2.64	18.9	5.5	2.37	9.4	2.8	1.78
1300	615	47.5	13.9	3.10	37.2	10.9	2.81	26.3	7.7	2.49	19.4	5.7	2.21	9.9	2.9	1.62
1500	710	48.0	14.1	2.99	37.7	11.0	2.69	26.8	7.9	2.37	19.9	5.8	2.10	10.4	3.0	1.51

HP27-042 - CH33-44/48B-2F HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.20	48.2	14.1
60	16	3.14	45.8	13.4
55	13	3.07	43.4	12.7
50	10	3.01	41.0	12.0
47	8	2.98	39.5	11.6
45	7	2.91	37.6	11.0
40	4	2.74	32.8	9.6
35	2	2.57	28.0	8.2
30	-1	2.58	27.1	7.9
25	-4	2.59	26.3	7.7
20	-7	2.60	25.4	7.4
17	-8	2.60	24.9	7.3
15	-9	2.58	23.9	7.0
10	-12	2.52	21.5	6.3
5	-15	2.36	19.2	5.6
0	-18	2.20	16.8	4.9
-5	-21	2.04	14.5	4.2
-10	-23	1.88	12.2	3.6
-15	-26	1.72	9.8	2.9
-20	-29	1.56	7.5	2.2

HP27-042 - CH23-65 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.10	47.5	13.9
60	16	3.04	45.2	13.2
55	13	2.97	42.9	12.6
50	10	2.90	40.5	11.9
47	8	2.86	39.1	11.5
45	7	2.81	37.2	10.9
40	4	2.67	32.5	9.5
35	2	2.53	27.8	8.1
30	-1	2.51	27.0	7.9
25	-4	2.49	26.3	7.7
20	-7	2.47	25.5	7.5
17	-8	2.45	25.0	7.3
15	-9	2.43	24.1	7.1
10	-12	2.36	21.8	6.4
5	-15	2.21	19.4	5.7
0	-18	2.06	17.0	5.0
-5	-21	1.92	14.6	4.3
-10	-23	1.77	12.3	3.6
-15	-26	1.62	9.9	2.9
-20	-29	1.47	7.5	2.2

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HP27-042 — CH33-50/60C-2F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	40.1	11.8	3.25	.72	.86	.98	38.7	11.3	3.68	.73	.87	.99	37.2	10.9	4.17	.74	.89	1.00	35.7	10.5	4.72	.75	.90	1.00
	1400	660	41.3	12.1	3.25	.75	.90	1.00	39.8	11.7	3.67	.77	.92	1.00	38.3	11.2	4.16	.78	.93	1.00	36.7	10.8	4.71	.80	.95	1.00
	1600	755	42.2	12.4	3.24	.78	.94	1.00	40.8	12.0	3.67	.80	.96	1.00	39.2	11.5	4.15	.81	.97	1.00	37.6	11.0	4.70	.83	.99	1.00
67°F (19°C)	1200	565	43.0	12.6	3.24	.57	.69	.82	41.5	12.2	3.67	.57	.70	.83	39.9	11.7	4.15	.58	.71	.85	38.2	11.2	4.70	.59	.73	.87
	1400	660	44.1	12.9	3.23	.58	.73	.87	42.5	12.5	3.66	.59	.74	.88	40.9	12.0	4.14	.60	.75	.90	39.1	11.5	4.69	.61	.77	.92
	1600	755	44.9	13.2	3.23	.61	.76	.91	43.3	12.7	3.66	.61	.77	.92	41.6	12.2	4.14	.62	.79	.94	39.8	11.7	4.68	.63	.81	.96
71°F (22°C)	1200	565	46.1	13.5	3.22	.43	.55	.67	44.5	13.0	3.65	.43	.55	.68	42.8	12.5	4.13	.43	.56	.69	41.1	12.0	4.67	.43	.57	.70
	1400	660	47.2	13.8	3.22	.43	.57	.70	45.5	13.3	3.64	.44	.57	.71	43.8	12.8	4.12	.44	.58	.73	42.0	12.3	4.67	.44	.59	.74
	1600	755	48.1	14.1	3.21	.44	.59	.73	46.4	13.6	3.64	.44	.60	.75	44.6	13.1	4.12	.45	.60	.76	42.7	12.5	4.66	.45	.62	.78

HP27-042 — CH23-68 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	41.1	12.0	2.75	.71	.84	.97	39.7	11.6	3.10	.72	.86	.98	38.1	11.2	3.49	.73	.87	1.00	36.5	10.7	3.93	.75	.89	1.00
	1300	615	42.5	12.5	2.76	.75	.89	1.00	40.9	12.0	3.11	.76	.91	1.00	39.3	11.5	3.51	.77	.93	1.00	37.6	11.0	3.95	.79	.95	1.00
	1500	710	43.6	12.8	2.77	.79	.94	1.00	42.0	12.3	3.12	.80	.96	1.00	40.4	11.8	3.51	.82	.98	1.00	38.7	11.3	3.96	.83	.99	1.00
67°F (19°C)	1100	520	44.0	12.9	2.77	.56	.68	.81	42.4	12.4	3.12	.57	.70	.82	40.8	12.0	3.51	.57	.71	.84	39.0	11.4	3.96	.58	.72	.86
	1300	615	45.3	13.3	2.78	.58	.72	.86	43.6	12.8	3.13	.59	.74	.88	41.9	12.3	3.52	.60	.75	.90	40.0	11.7	3.97	.61	.77	.92
	1500	710	46.3	13.6	2.78	.60	.76	.91	44.5	13.0	3.13	.61	.78	.93	42.7	12.5	3.53	.62	.79	.95	40.8	12.0	3.98	.63	.81	.97
71°F (22°C)	1100	520	47.2	13.8	2.79	.42	.54	.66	45.5	13.3	3.14	.42	.55	.67	43.7	12.8	3.54	.43	.55	.68	41.8	12.3	3.99	.43	.56	.69
	1300	615	48.4	14.2	2.80	.43	.56	.70	46.6	13.7	3.15	.43	.57	.71	44.8	13.1	3.55	.44	.58	.73	42.8	12.5	4.00	.44	.59	.74
	1500	710	49.4	14.5	2.80	.44	.59	.74	47.5	13.9	3.15	.44	.60	.75	45.6	13.4	3.55	.45	.61	.77	43.5	12.7	4.00	.45	.62	.79

HP27-042 - CH33-50/60C-2F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1200	565	47.7	14.0	3.36	37.0	10.8	3.08	25.8	7.6	2.76	18.7	5.5	2.53	9.3	2.7	1.89
1400	660	48.2	14.1	3.21	37.5	11.0	2.92	26.3	7.7	2.61	19.2	5.6	2.37	9.8	2.9	1.73
1600	755	48.7	14.3	3.10	38.0	11.1	2.82	26.8	7.9	2.50	19.7	5.8	2.27	10.3	3.0	1.63

HP27-042 - CH23-68 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	47.4	13.9	3.09	36.9	10.8	2.77	25.8	7.6	2.38	18.9	5.5	2.31	9.4	2.8	1.73
1300	615	47.9	14.0	2.94	37.4	11.0	2.62	26.3	7.7	2.24	19.4	5.7	2.17	9.9	2.9	1.58
1500	710	48.3	14.2	2.84	37.8	11.1	2.52	26.7	7.8	2.14	19.8	5.8	2.07	10.3	3.0	1.48

HP27-042 - CH33-50/60C-2F HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.21	48.2	14.1
60	16	3.15	45.8	13.4
55	13	3.09	43.3	12.7
50	10	3.02	40.9	12.0
47	8	2.99	39.5	11.6
45	7	2.92	37.5	11.0
40	4	2.76	32.7	9.6
35	2	2.59	28.0	8.2
30	-1	2.60	27.1	7.9
25	-4	2.61	26.3	7.7
20	-7	2.62	25.4	7.4
17	-8	2.62	24.9	7.3
15	-9	2.59	23.9	7.0
10	-12	2.53	21.5	6.3
5	-15	2.37	19.2	5.6
0	-18	2.21	16.8	4.9
-5	-21	2.05	14.5	4.2
-10	-23	1.89	12.1	3.5
-15	-26	1.73	9.8	2.9
-20	-29	1.57	7.5	2.2

HP27-042 - CH23-68 HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.94	47.9	14.0
60	16	2.89	45.5	13.3
55	13	2.83	43.2	12.7
50	10	2.77	40.8	12.0
47	8	2.74	39.4	11.5
45	7	2.62	37.4	11.0
40	4	2.34	32.7	9.6
35	2	2.05	27.9	8.2
30	-1	2.14	27.1	7.9
25	-4	2.24	26.3	7.7
20	-7	2.34	25.6	7.5
17	-8	2.39	25.1	7.4
15	-9	2.37	24.1	7.1
10	-12	2.31	21.7	6.4
5	-15	2.17	19.4	5.7
0	-18	2.02	17.0	5.0
-5	-21	1.87	14.6	4.3
-10	-23	1.73	12.3	3.6
-15	-26	1.58	9.9	2.9
-20	-29	1.44	7.5	2.2